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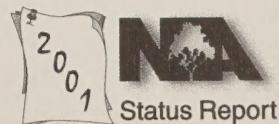
Forest Service

Northeastern
Area



Urban and Community Forestry Program

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Status Report

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Urban and Community Forestry Program



USDA Forest Service
Northeastern Area
State and Private Forestry

Bringing Forestry to the People

February 2001

Visit the Northeastern Area website at: <http://www.na.fs.fed.us>



Dear Friend,

Over the past decade, the USDA Forest Service, State and Private Forestry in the Northeastern Area, has been committed to improving the quality of life in cities and towns through direct investments in the planting and care of public shade trees and the forests where people live. In partnership with the State Foresters in the 20 Northeast and Midwestern states and the District of Columbia, the Urban and Community Forestry Program has contributed to growing a strong network of community based organizations, and local government and tree-care professionals whose voices are now loud and clear. We need to sustain and strengthen these urban investments and extend our capacity to protecting trees and forests impacted by development and construction in the suburban fringe.

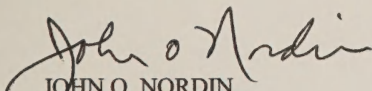
Healthy trees and forests in urban areas contribute to improved water and air quality, watershed function, energy conservation and social wellbeing. The quality of life in cities and towns is enhanced by effective State and federal programs that foster cooperative efforts to plan for, plant, protect and maintain community trees, forests and related natural resources. The partnerships that have been created through these initiatives, funded by Congress, have lead to a citizenry engaged and committed to building healthy and viable communities for themselves and future generations.

Through our collaboration with the Northeastern Area Association of State Foresters (NAASF), we have made great progress toward achieving our shared goals of enhanced public awareness, partnerships, outreach and environmental equity, and comprehensive natural resource management. As this report illustrates, an effective federal urban and community forestry assistance program has provided the foundation for meeting these goals.

With continued support from congressional champions in Fiscal Year 2001, we are stepping up our federal assistance. In cooperation with state forestry agencies, we are better focusing our resources on metropolitan areas through new Title VIII funding for land conservation, preservation and infrastructure improvements. We are opening these funds competitively across the Area to generate project proposals from municipalities, counties and nonprofit organizations that will be community based and community driven.

The collective activities presented in this status report reflect a commitment and professional dedication among non-governmental organizations, local citizen groups, private individuals, and local, state and federal government workers that has made a difference on the ground. We are proud of these accomplishments. With a renewed commitment to support the partners that make up the urban and community forestry movement, we intend to continue our efforts and be an essential catalyst in building more livable communities in the 21st Century.

Sincerely,



JOHN O. NORDIN
Acting Area Director



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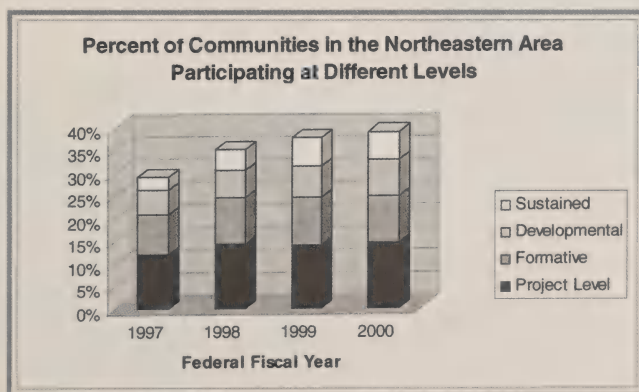
Executive Summary

Across the landscape, from inner city to rural communities, the Northeastern Area Urban and Community Forestry Program has made a difference on the ground and in the lives of people. Technical and financial assistance provided in Fiscal Year 2000 touched more than 5,600 municipalities (nearly 40 percent of communities) within the 20 Northeastern Area states and the District of Columbia. Together with state and local governments and nonprofit organizations, the USDA Forest Service established model efforts that demonstrate the value of urban forest management to improving the quality of life and the environment where people live.

Trees, forests, and related natural resources are the basic tools of the program. When managed appropriately, these resources can contribute substantially to the wellbeing and long-term sustainability of urban and rural communities. Benefits include energy conservation, cleaner air and water, habitat for wild creatures, usable open space, and a visually pleasing environment. Increasingly, urban residents are advocating for "green" infrastructure in their communities and planning for greenspace acquisition and long-term maintenance. With urban sprawl and the resulting degradation of rural forested lands now recognized as a national concern, urban forestry has become ever more relevant in contributing to the sense of place that defines community character and livability.

With a focus on building sustainable communities, the Urban and Community Forestry Program has begun to integrate urban forest inventory and assessment data into local and regional planning efforts. Computer modeling tools are being used to increase awareness of the value of community trees and forests to a functional regional ecosystem. In partnership with community based organizations and State and local leadership, technical assistance and seed money from the program has leveraged new long-term investments in tree planting and maintenance, ecosystem restoration, community revitalization, resource recycling, employment and economic development opportunities.

Urban and community forestry assistance is delivered primarily in partnership with State forestry agencies. In total, the Northeastern Area distributed more than \$10 million in 85 grants this past fiscal year. These funds enabled our partners to improve public awareness, enhance organizational capacity, strengthen outreach and environmental equity in the region, and promote comprehensive natural resources management. In addition, these efforts were leveraged by more than \$12 million in State and local investment, including close to 400,000 hours of training and volunteer labor for tree planting and long-term care.



America's Urban Natural Resources

Investment in appropriate management of our natural resources contributes to meeting the many challenges facing America's urban communities. Natural resources include air, water, soil, vegetation, and wildlife. Integration of these resources into the revitalization and development of our communities acknowledges the value of our nation's "green infrastructure" and contributes to the social, economic, and environmental health of population centers.

Education, financial investment, and an active citizenry are essential to realizing the benefits natural resources provide. Comprehensive natural resource management is an opportunity to assure sustainable community revitalization and development.

Managing natural resources:

- ✦ Improves Water Quality
- ✦ Improves Air Quality
- ✦ Reduces Pollution
- ✦ Improves Community Health



- ✦ Leads to Comprehensive Land Use Management
- ✦ Promotes Sustainable Development
- ✦ Increases Recreational Opportunities



- ✦ Improves Stormwater Management
- ✦ Reduces Infrastructure Costs
- ✦ Reduces Flooding



Urban Forest Stewardship

The vitality of our communities is strongly dependent on the quality of the natural environment – the green infrastructure. Efforts to plant and care for urban trees and forests contribute to neighborhood stability, provide a sense of belonging, and sustain our communities as desirable, healthy places to live, work, and play.

To benefit from urban forest resources, communities must adopt effective management strategies and include stewardship in all aspects of community development.

Urban trees and forests:



- ✦ Reduce home heating and cooling costs by up to 30 percent, potentially saving the nation almost \$1.5 billion a year
- ✦ Increase the value of property by up to 20 percent



- ✦ Reduce stormwater discharge by up to 40 percent

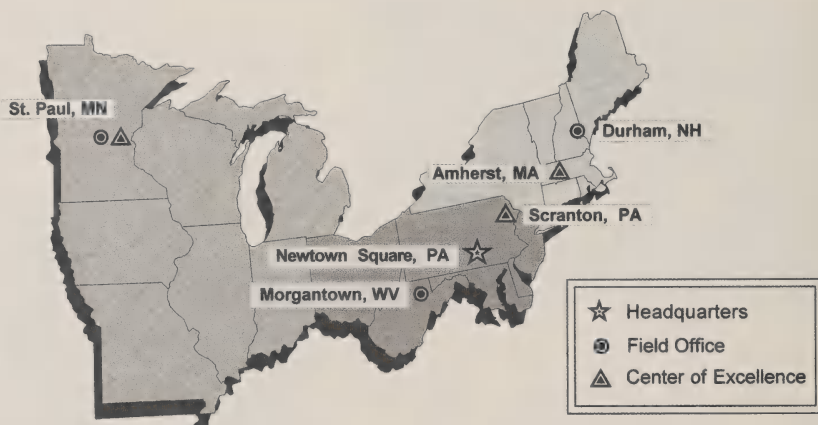


- ✦ Increase community pride
- ✦ Purify the air and reduce particulate airborne pollution by up to 80 percent

The Northeastern Area

The Northeastern Area of the USDA Forest Service, State and Private Forestry, provides technical and financial support for urban and community forestry projects and promotes natural resources management as a means to address the economic, social, and environmental needs in communities. In addition to Urban and Community Forestry, several other USDA Forest Service program areas, such as Forest Health, Forest Stewardship, Conservation Education, and Economic Action, support urban and community forestry projects. All program areas promote partnerships among federal, state, and local government agencies, as well as nonprofit organizations, to improve the quality of life of the people and communities in the region.

The Northeastern Area encompasses approximately 35 million acres of urban forests in a region that is home to more than 114 million people. USDA Forest Service technical and managerial staff members are located in field offices that serve three geographic regions. This decentralized staffing structure facilitates communication with state-level counterparts and regional approaches to problem solving.



New York and the New England states are served by the Durham, NH Field Office. The Morgantown, WV Field Office works with the six states and the District of Columbia in the Mid-Atlantic region, and the St. Paul, MN Field Office serves the seven Mid-western states. Urban forestry specialists are also located in New York City and Philadelphia to coordinate federal activities and initiatives.

Three Centers of Excellence have been developed — the Midwest Center for Urban and Community Forestry located on the campus of the University of Minnesota, St. Paul; the Mid-Atlantic Center based at Keystone College near Scranton, Pennsylvania; and the Northeast Center, based at the University of Massachusetts, Amherst. These centers support the technology transfer component of the Northeastern Area Urban and Community Forestry Program, and partner with State agencies, Forest Service Research, universities, and conservation organizations.

In addition to providing leadership and financial and technical assistance to states and organizations in order to manage natural resources effectively in populated areas, the Northeastern Area provides a

national and regional context that helps the states respond to natural disasters and crises as well as emerging issues.

The Urban and Community Forestry Program is driven by a periodic assessment of urban issues and opportunities identified by a cross-section of individuals. Rapid growth and development in metropolitan regions and small communities and the negative impacts of that growth on forest, air, and water quality have been identified as key issues to be addressed by natural resource managers in urban areas. These issues are the focus for the national strategy titled *Vital Communities Through Healthy Ecosystems*. The strategy is implemented in cooperation with the National Urban and Community Forestry Advisory Council, state foresters, and other partners at the federal, state, and local levels.

At the regional level, the Northeastern Area has just completed a new strategic plan encompassing the period 2000-2004. Recognizing achievements over the past 10 years in developing strong state and local leadership and awareness in the value of community trees and forests, the new plan emphasizes urban forest health and diversity across the landscape. The plan establishes priority areas for financial and technical assistance and a continuing framework in which the twenty Northeastern Area states and the District of Columbia can participate while maintaining autonomy to identify, prioritize, and develop their own plans.

Effective, long-term solutions depend on close cooperation among government agencies and the public being served to meet the economic, social, and environmental needs in all communities. Within the Northeastern Area, problems are identified and resolved at the local level with the state and federal government providing technical and financial support as needed.

The technical assistance provided to state urban and community forestry programs includes assessing and monitoring the health of our urban forests, guidance in the creation and restoration of urban green space, media relations and outreach, land-use planning and organizational development, disaster response, and tree inventory and database management.



Small communities as well as large metropolitan areas benefit from urban forestry activities.

Vision

The long-term vision for urban and community forestry in the Northeastern Area has remained essentially constant since 1990, "...to achieve community sustainability and an enhanced quality of life through stewardship of urban and community forests and related natural resources." The new strategic plan identifies a specific vision for the resource: **The trees and forests where we live, work, and play, are healthy and diverse, and appreciated by all: collectively valued, protected, supported, and considered in community decisions.**

Natural systems and processes provide an incalculable service to society in terms of mitigating air and water pollution, reducing flooding, providing abundant clean water, and maintaining essential biological diversity. These natural systems require management and care in populated areas if they are to continue to function. The responsibility for management is complex and must be shared among government agencies, non-governmental organizations, and citizens from all walks of life.

The mission of the program is to guide and support the partners of the urban and community forestry movement; building more livable communities through the planting and care of trees and forests. This will be accomplished through a set of guiding principles that require us to focus our resources on priority areas; deliver our services in partnership with state forestry agencies and others; assure the positive integration of our skills and the implementation of projects; and seek innovation in our approach to common problems.



Our vision is of healthy, diverse forests where people live, work, and play.

Strategic Priorities and Goals

Information and Communication

- ✦ Implement strategies to promote awareness, build understanding, and generate support.
- ✦ Transfer model programs, projects, and state-of-the-art technologies.

Organizational Capacity

- ✦ Improve capacity to address emerging issues, opportunities, and incidents.
- ✦ Strengthen state and local programs.

Comprehensive Natural Resource Management

- ✦ Monitor, improve, and report on urban forest health.
- ✦ Focus efforts on critical urban and community landscapes and watersheds.

Outreach and Environmental Equity

- ✦ Seize opportunities to create new and enhance existing strategic partnerships.
- ✦ Engage under-served and non-traditional communities.

Program Components

Since 1978, the Northeastern Area Urban and Community Forestry Program has funded federal, state, and local natural resource management programs through direct and indirect grants and technical assistance. The Program consists of eight components. Accomplishments are presented in this order:

1. State Grants
2. Focused Federal Assistance
3. Field Offices
4. Centers of Excellence
5. Urban Resources Partnerships (URPs)
6. National Urban and Community Forestry Advisory Council (NUCFAC) Grants
7. Special Projects
8. Congressional Initiatives

1. State Grants

Authorized through Section 9, Urban and Community Forestry Assistance, of the Cooperative Forestry Assistance Act of 1978 (PL 95-313), as amended by PL 101-624, the Forest Service distributes funds to state forestry agencies in accordance with criteria established in partnership with the National Association of State Foresters. The states deliver funding and technical assistance to communities and organizations at the local level, based on a strategic plan developed with concurrence of the Forest Service.

Each state develops an annual program narrative that defines how they will utilize federal funds to meet state and local needs and priorities. Federal funding is monitored and evaluated on a yearly basis, with formal program reviews occurring every five years. Annual narrative reports are produced that relate annual accomplishments to the goals and objectives in each state's strategic plan. Additionally, states produce a statistical report, the Performance Measurement Accountability System (PMAS), to assist the Forest Service in meeting requirements under the Government Performance and Results Act.

PMAS tracks the level of activity in each state. Performance is measured by the amount of technical assistance, outreach to under-served communities, volunteer hours provided, and the resulting progression of municipal programs in the state from project-focused programs to formative, developed or ultimately, sustained programs. The **Program Highlights** presented in this status report include the total number of communities, total number assisted this year, total Tree City USAs, federal grant amount, and state and local matching funds.

Tree City USA is reflective of the level of commitment that municipalities have to trees and tree care. The program, developed by the National Arbor Day Foundation in cooperation with the National Association of State Foresters, requires that communities have a city forester or tree board, a community-wide ordinance protecting the tree resource, an annual celebration of Arbor Day, and at least two-dollars per capita spent on tree planting and maintenance.

2. Focused Federal Assistance

Each year, the Northeastern Area sets aside funds off the top of the Area allocation from Washington to target, or focus, resources and technical assistance on specific areas of need defined in collaboration with state agency partners. Each state is allotted up to three grants of \$35,000 each, one or all of which can be in partnership with nonprofit organizations or adjacent state agencies. Multi-state proposals are preferred.

3. Field Offices

The three Field Offices of the Northeastern Area host a complement of managerial and technical staff that provide regional leadership and guidance to state and local partners. Each office maintains specialists in urban forestry, forest health, forest stewardship, economic action, and information management and analysis, that form working groups to address regional issues and natural disaster response, and produce regional and area-wide reports and publications.

4. Centers of Excellence

The three Centers of Excellence in urban and community forestry based in St. Paul, Scranton, and Amherst, support the technology transfer component of the federal program. Center coordinators collaborate with state agencies, Forest Service Research staff, universities, and conservation organizations to develop demonstration projects, training opportunities, and technical reports.

5. Urban Resources Partnerships

The Urban Resources Partnership (URP) is an initiative of the US Department of Agriculture that makes federal resources available directly to community-based and community-driven environmental projects in under-served neighborhoods of select metropolitan areas. At least seven federal agencies, including the USDA Forest Service and Natural Resource Conservation Service, are providing funds and on-site technical assistance to education and restoration efforts in 13 cities throughout the country. The Northeastern Area serves six of these cities, including Boston, New York, Philadelphia, Chicago, Buffalo, and East St. Louis. URP cities will be replaced with new inner city initiatives in FY 2001.

6. National Urban and Community Forestry Advisory Council (NUCFAC)

NUCFAC is the official advisory body to the Secretary of the United States Department of Agriculture. The Council works to establish sustainable urban and community forests by encouraging communities of all sizes to manage and protect their natural resources for current and future generations. NUCFAC has established a national Challenge Cost-Share Grant Program that supports urban and community forestry activities with a national impact. The Northeastern Area administers the grants distributed in the 20 states and District of Columbia.

7. Special Projects

In collaboration with the Washington Office of the Forest Service, the Northeastern Area initiates and/or guides the development of demonstration projects of national significance. These projects are related directly to urban forestry, but are often multi-disciplinary in approach, combining resources from several funding sources to demonstrate the value of comprehensive natural resource management.

8. Congressional Initiatives

Several congressional initiatives were funded in Fiscal Year 2000 intended to target resources in specific districts to improve the quality of urban life and the environment, while increasing access to educational opportunities through expanded federal, state, and local partnerships.

Connecticut

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Connecticut is a highly urbanized state. According to the latest USDA Forest Service figures, 60 percent of the state is forested. Approximately 80 percent of Connecticut's citizens live in urban or suburban environments. Thus, virtually all of the state's population reside in close proximity to trees. The health and well-being of the urban forest is of concern to everyone in the state.

The urban forest of Connecticut was in decline until the advent of the Urban Forestry Assistance Program. The technical assistance provided by the Department of Environmental Protection (DEP) Division of Forestry, University of Connecticut Cooperative Extension Service, and the Connecticut Urban Forest Council through financial assistance provided by the USDA Forest Service is crucial to the continued success of this program.

Program Highlights

Number of Communities	169
Communities Assisted	120
Tree City USA or Equivalent	8
Federal Support	\$225,000
State and Local Matching	\$309,273

Partnerships

The Connecticut Department of Environmental Protection and the University of Connecticut Cooperative Extension Service continue to seek new partners. The ninth annual session of the Meskwaka Tree Project

Volunteer Training was held this year at Connecticut College in **New London**. Twenty-two new people were trained, bringing the total number of volunteers trained by Meskwaka to 213. In 2000, Meskwaka volunteers made seven radio appearances, wrote 22 newspaper articles, and made five presentations to First Selectmen or Mayors on the benefits of urban forestry. Current graduates accounted for more than 2,220 hours of community service.

A Tree Board Forum hosted by the Connecticut Urban Forest Council and the DEP Division of Forestry was held at the Wadsworth Mansion in **Middletown**. Forty tree board members from fifteen communities met to learn and share information. Sessions were held on a variety of topics ranging from fundraising and increasing tree budgets to generating support for tree boards and attracting qualified volunteers. The enthusiasm generated during this forum, in which people were able to share ideas and questions with their peers, has led to plans to hold additional programs in the future.

Awareness

The Department of Environmental Protection Division of Forestry held training workshops for municipal tree care workers at six sites throughout Connecticut. A total of 252 workers from 62 towns or cities attended. Among the attendees were tree wardens, employees from municipal Parks and Public Works Departments, other public officials, and citizen volunteers. Four foresters from the Division of Forestry provided instruction on basic tree biology, proper tree planting, pruning trees, urban tree health, and the identification and management of hazard trees. Each session consisted of four hours of classroom instruction followed by two hours of field demonstrations.

ACCOMPLISHMENTS



Fred Borman, DEP Program Specialist, points out the hazards associated with a chain that is girdling a mature pine to a group of park managers at a tree maintenance workshop.

The Connecticut Tree Wardens Association held its second Tree Warden Academy, providing 30 hours of instruction to tree wardens from 30 communities around the state. The course included instruction on tree biology, tree identification, hazard tree management, tree law and public policy, and meeting management. Five arborists from Connecticut's Department of Transportation also attended this series of training sessions. In order to maintain their status as "Certified" Tree Wardens, attendees must accumulate an additional 15 continuing education units. (CEU's) over the next three years.

Outreach and Environmental Equity

In support of the Millennium Green/Millennium Grove Project, Connecticut provided a certificate for an American Forest Famous and Historic Tree to all 169 municipalities in the state. This cooperative effort between the Connecticut Urban Forest Council and the Connecticut Tree Protective Association featured an Arbor Day ceremony held at the State Capitol. Lieutenant Governor Jodi Rell and DEP Commissioner Arthur Rocque, Jr., participated in the event, which included the eight fifth-grade winners of

Connecticut Tree Protective Association's Arbor Day Essay Contest. The Connecticut Urban Forest Council provided funding for the Millennium Grove trees. Millane Nurseries of **Cromwell** donated a flowering crabapple which was planted during the ceremony.

Several members of the Department of Environmental Protection, including Urban Forester Chris Donnelly, worked on an environmental assessment of the watershed of the North and South branches of Park River in **Hartford**. The resulting plan calls for the clean up of years of accumulated debris in and around the river, and for addressing the management needs of the river as a recreational and a natural resource. This project was the result of several meetings of the **Hartford** Urban Resource Partnership which has chosen Park River as the focal point of its activities.

Comprehensive Natural Resource Management

Tree inventories and master plans continue to be a focus of effort within communities in Connecticut. Currently, there are at least eight communities working on either an inventory or a comprehensive tree plan, or both. These communities are **East Lyme**, working on a streetscape plan; the **Stratford** Conservation Commission, a street and shade tree inventory; **Vernon**, a shade tree inventory and master plan; **Westport**, a tree inventory of town parks; **East Granby**, a tree inventory of town properties; **Guildford**, purchasing computer equipment for inventory use; Camp Harkness in **Watertown**, an inventory and plan for the trees on the Camp's property, and the West Side Community Council in **Bridgeport**, an inventory of trees in a neighborhood of the state's most populated city.

Delaware

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The Urban and Community Forestry (UCF) program assists cities and towns with proper planning, management, and maintenance of trees, forests, and other natural resources. Protection of the state's tree resources is essential as Delaware's communities develop and expand.

Program Highlights

Number of Communities	82
Communities Assisted	37
Tree City USA or Equivalent	4
Federal Support	\$187,000
State and Local Matching	\$147,603

Partnerships

The Delaware Department of Agriculture Forest Service, UCF Program, worked with the Carrcroft Civic Association in **Wilmington, DE**, and Conectiv Power Company to maintain the street trees throughout the community. Conectiv removed hazardous trees within the right-of-way below power lines. With funding from UCF grants, the civic association contracted with two private tree companies to prune and remove the remaining trees that were in poor condition because of 20 years of deferred maintenance.

The urban forester for the UCF program offered technical assistance in identifying hazardous tree conditions and worked with

Conectiv and the private contractors to complete the necessary tree work. A wood-processing mill purchased the logs and used them for wood products. The Carrcroft Civic Association used matching funds from state legislators for the project. This community project was a partnership among federal and state Forest Service agencies, state legislators, and private industry.



Urban Forester, Bryan Hall, assessing the hazardous trees in the Carrcroft community.

Awareness

New Castle County Legislator, Karen Venezia; County Executive, Thomas Gordon; and staff from the **New Castle** County Land Use Department met with American Forests specialist, Cheryl Kollin and the USDA Forest Service Chesapeake Bay

ACCOMPLISHMENTS

Program Liaison, Albert Todd, to learn about the tools and forest conservation approaches to storm water management.

As an educational demonstration, the UCF program funded a CITYGreen Geographic Information System (GIS) analysis for Academy Hill Phase 5 Residential Development. American Forests did the case study analysis to show county officials how CITYGreen can be used as a tool for storm water management and to interpret recent changes made in the county's Unified Development Code. This demonstration project initiated discussions on how the county could further investigate the applicability of the GIS tool in land use planning decisions.

Outreach and Environmental Equity

Knollwood is an historic community built in the 1920's for workers of the local Citisteel USA facility. The community suffers from severe urban blight. In cooperation with **New Castle County**; Community Housing, Inc.; the Urban and Community Forestry Program prepared a redevelopment plan for the area. The plan includes improvements to capitalize on the social and environmental benefits that trees can bring to a community. Citisteel USA and the Delaware Urban and Community Forestry Program will supply trees for the project.

Comprehensive Natural Resource Management

The UCF program coordinated the "Best of Both Worlds" workshop with assistance from the Urban Forestry Center at Morris Arboretum and Wolfe Mason Associates in **Hampton**, New Hampshire. This workshop focused on an ecosystem-based approach to community planning and design for state, county, and local planners and natural

resource professionals. In the one-day session, the community of **Milford, DE** was used as a case study to demonstrate how to incorporate the community in the decision-making process while planning for growth and development. Delaware is currently developing an investment and research strategy for land use planning that revolves around encouraging growth in established communities.



Kent County planners discussing their ideas during an exercise at the "Best of Both Worlds" workshop.

District of Columbia

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The District of Columbia Urban Forestry Program enabled the participation of volunteers and organizations working with the District of Columbia government and the Urban Forestry Council of Washington, DC to improve the management of the city's natural resources.

Program Highlights

Number of Neighborhoods	60
Neighborhoods Assisted	50
Tree City USA or Equivalent	1
Federal Support	\$232,000
State and Local Matching	\$235,000

Partnerships

The Dutch Elm Disease Control Project is in the third and final year, with funding and technical assistance provided through the Forest Service Cooperative Forest Health Protection Program. The project is a partnership between the Department of Public Works, the USDA Forest Service, Cooperative Extension, and the National Park Service.

In the final phase, seventy-seven (77) infected trees were injected with a fungicide, "Alamo," in July/August of 2000. The trees are located city-wide and will be monitored closely next spring and summer to evaluate the effects of the fungicide on each tree. The city will continue the project using local funds.

Awareness

The Trees and Landscape Division planted more than 4,200 street trees in neighborhoods city-wide. Volunteers joined in partnership with the city to care for and maintain the neighborhood trees. Volunteers also distributed brochures that explain the value of trees and how to best care for these new assets to the neighborhood.

Outreach and Environmental Equity

The Urban Forest Council of Washington, DC (UFC) is continuing to take a leadership role in the environmental community in the city. One example is the Growout Station. This project is a partnership with the UFC, District Government, the University of the District of Columbia, and The National Tree Trust to establish a Growout Station on the University's 122-acre farm site. The UFC has already taken tree saplings from the station and begun neighborhood plantings.

The UFC provided monetary grants for the following projects:

DC BEAT (D.C. Bicentennial Environmental Awareness Team) — The DC Beat provides school children with educational materials and demonstration sites to promote and reinforce urban forestry through tree plantings and maintaining trees, parks, and gardens in the city. The use of environmental costume characters, like Woody Owl, Treetures, Smokey Bear, and McGruff the Crime Dog provides a big incentive to the children to get involved in improving the environment through their own personal actions.

Summer Aquatic Resources Education Project (Fishin' Buddies) — This project teaches basic aquatic ecology, and

ACCOMPLISHMENTS

Columbia's aquatic fish and wildlife resources to youth and adults over an eight-week period. The project includes a visit to the Aquatic Resources Education Center and an urban river-fishing trip with hands-on instruction. Senior citizens and physically and mentally handicapped persons are a component of the project.

Mount Pleasant/Columbia Heights Trees in the Urban Ecosystem — This project, centered on natural resource issues, provided learning activities for three elementary schools. The students identified plants and watered and maintained street trees in the project area. They developed a schedule for maintenance. Other activities included researching the GreenStreet website to perform environmental activities and curricula (Project Learning Tree). They also participated in field trips.

Comprehensive Natural Resource Management

The Trees and Landscape Division worked with the Columbia Department of Health (DOH) to improve the Watts Branch Park and Tributary. DOH seeks to protect and improve water quality by extending the riparian buffer and promoting a stewardship ethic in the local community through participation and education.



Through an urban forestry grant to the Brookland Garden Club, children participate in a city street tree planting activity to learn about the benefits trees provide to the people who live and work in the city.

Illinois

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The Illinois Department of Natural Resources (IDNR), Division of Forest Resources, Urban and Community Forestry (UCF) program has a goal of helping communities and urban areas sustain the health and integrity of the forest resources in and around their community. To accomplish this goal, IDNR works toward establishing and maintaining local community forestry programs through technical assistance, information dissemination, enhancing partnerships, and providing resources and recognition.

Program Highlights

Number of Communities	2,067
Communities Assisted	401
Tree City USA or Equivalent	158
Federal Support	\$332,500
State and Local Matching	\$1,088,084

Partnerships

The IDNR maintains special federal partnerships with the two Urban Resources Partnership (URP) projects in **Chicago** and **East St. Louis**. IDNR's State Forester, Urban Conservation Program Administrator, and other Forestry staff provided substantial technical assistance to these programs.

The UCF program provided for volunteer/partnership coordination through Southern



Tree inventories provide key information to community planning personnel.

Illinois University (SIU) and IDNR Regional Administrators. Some accomplishments include: 1) developed a manual titled *Community Forestry Principles for Small Illinois Communities*, 2) conducted the first Southern Illinois regional community forestry council meeting, 3) maintained a website that includes Southern Illinois nurseries, certified arborists, and urban forestry resources, 4) established a volunteer outreach program for conducting community tree inventories for **Benton** and **Golconda**, 5) prepared a management plan for **Golconda**, 6) and provided grant writing assistance to **Mt. Vernon** and **Golconda**. SIU Forestry students received hands-on classroom experience by participating in the above activities and facilitating tree risk management, proper pruning, and chainsaw safety workshops. IDNR also provided support to the Illinois Forestry Development Council (Urban and Community Forestry Advisory Council).

ACCOMPLISHMENTS

Awareness

The *Prairie Tree Companion* newsletter was distributed to over 3,000 individuals and units of government throughout the year. It provides information on urban forestry management issues, gives technical updates, reports on program initiatives and informs citizens of opportunities to participate in natural resource care and management activities.

More than 1,200 school children participated in the state Arbor Day poster contest. The theme for this year was "TREES ARE TERRIFIC ... In All Shapes and Sizes!"

This year, the IDNR sponsored and funded several special projects including the *Natural Resources and Your Development* conference in Peoria, the *Tree and Shrub Care Handbook* developed through the Morton Arboretum, and the Springfield Park District Millennium Grove Project.

Comprehensive Natural Resource Management

IDNR provided \$100,000 in grants to 24 communities. Individuals and groups in the community contributed with a match of over \$129,000. The funds help communities establish or enhance urban and community forestry programs across the state. Projects include: 8 street tree inventories, 3 management plans, 4 public education projects, 6 tree planting projects, 4 tree care ordinances, 3 tree boards, and 5 employee training opportunities.



Training opportunities are provided through workshops and management activities sponsored by IDNR's UCF program.

Indiana

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The Community and Urban Forestry (CUF) program provides statewide leadership to increase public awareness of the value of trees and associated natural resources in urban areas where more than 70 percent of Indiana's citizens live. The program assists and encourages Indiana communities and volunteers to protect, expand, and improve community forests.

Program Highlights

Number of Communities	568
Communities Assisted	340
Tree City USA or Equivalent	42
Federal Support	\$255,800
State and Local Matching	\$876,684

Partnerships

This has been a great year of cooperation between two state agencies in regard to urban forestry. Because of some very vocal citizen protest to improper pruning practices viewed on a highly visible roadway, the Indiana Department of Transportation (INDOT) districts asked the Community and Urban Forestry program for tree care workshops. So far, pruning workshops have been held in two districts with a total attendance of 65 INDOT employees. INDOT has expanded the Indiana Community Tree Steward volunteer opportunities to include maintenance on newly planted trees on highly visible

interstate interchanges and two rest stops. Tree Stewards are beginning work on a pilot project in **Central Indiana** near the CUF office. This highly visible project will be a great promotion for the CUF program, the Tree Steward volunteers, and INDOT.

RIGHT TREE/RIGHT PLACE is a new initiative targeting city planners, engineers, landscape architects, and university students majoring in those disciplines. A consultant was hired to develop a seminar, display, and brochure for use at workshops and conferences. Partners include Indiana's two Tree Line USA utilities, Northern Indiana Public Service and Richmond Power and Light; American Electric Power; CINERGY psi; Indianapolis Power and Light; Vectrin Corporation; Indiana Arborist Association; Indiana Urban Forest Council; and Purdue University Department of Forestry.

The Indiana Urban Forest Council (IUGC), Inc. is a crucial partner with the CUF program. They have received federal grant dollars to establish an Administrative Assistant position. This position has allowed the council to expand its services — a quarterly newsletter to its membership of 120, an annual conference, and a winter and summer meeting. Two council members help plan the CUF program's annual workshops. The council in turn gets any profit from registration fees after workshop expenses. Last year the group made over \$400 on these workshops sponsored by CUF. Council members were involved during the five year performance review done by Lisa Burban, USDA Forest Service. The CUF coordinator and Lisa timed the review to coincide with their winter meeting.

Awareness

The CUF program publishes the GreenStreets newsletter which reaches 4,500 cities, towns, nonprofits, businesses, and private citizens two times a year. Workshops and training

ACCOMPLISHMENTS

opportunities continue to be a large focus of the state's efforts. Many grantees are awarded funds to develop or contract for workshops tailored to their specific needs within their own communities.

The Indiana Community Tree Steward (ICTS) program has been expanded from county-wide to regional training. The south, central, and northern parts of the state will have ICTS training to help get knowledgeable urban forestry advocates dispersed throughout the state. There are a total of 300 Tree Stewards statewide. A Teen Tree Stewards class has been developed and is being conducted by the Indiana Department of Natural Resources (IDNR) Forestry Conservation Education staff with CUF financial and technical assistance.

Governor and Judy O'Bannon hosted the third annual Community Forestry Fest at the Residence. Over 300 persons attended the daylong event, which involved urban forestry partners throughout the state. The Indiana Arborist Association held their Annual Arborist Jamboree, the IUFCA provided displays and volunteers, the state's utilities hosted a forestry conclave, and Purdue University hosted a child and adult rope-climbing tree. The Indiana Tree Stewards and other volunteers passed out over 400 tree seedlings and snacks. Tree City USA awards were presented to 16 cities. Urban wood utilization was promoted with the Trees to Furniture program instituted by Mrs. O'Bannon.

Outreach and Environmental Equity

The city of **Gary** applied for and received hometown grant funds to remove, maintain, and plant inner city neighborhoods. **Anderson** held an Arbor Day/Earth Day celebration in an inner city park that attracted hundreds of inner city youth and private citizens.

Comprehensive Natural Resource Management

Keep Indianapolis Beautiful has secured a site and a Wood-Mizer operator to begin milling urban logs removed from public property. Cole Hardwoods has committed to purchase the green lumber. Pallet companies are being contacted to buy the whole logs. Partners include Indianapolis Power and Light, Wood Mizer, IDNR, Forestry, and Hoosier Heartland RC&D. The USDA Forest Service is providing start up funding for this project.

The **Brownsburg** school district was awarded a hometown tree-planting grant to convert former agricultural land that has sprawled into the suburban corridors with development. The **Greencastle** Tree Board was awarded a grant to plant treeless areas.

The historic town of **Cumberland** was awarded federal funds to produce a management plan and hold two educational forums regarding the Old National Road.

GIS mapping technology will be utilized by **Bloomington** to inventory 14 city parks and two municipal cemeteries with federal grant funds.



Indiana tree stewards prune and maintain trees.

Iowa

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Iowans have a long history of planting and caring for their community trees. But Iowa's urban forests are challenged by a lack of species diversity, declining health, old age of up to 25 percent of the trees, and limitations of local city forestry budgets. The Iowa Urban and Community Forestry Council advises and works with Iowa's State Forester to identify concerns and issues and gather information to develop policies and actions that will sustain and improve the state's urban and community forests.

Program Highlights

Number of Communities	980
Communities Assisted	513
Tree City USA or Equivalent	117
Federal Support	\$225,000
State and Local Matching	\$419,122

Partnerships

The Iowa Urban Forestry Program is implemented through state and local partnerships focusing on technical assistance, training of professionals and volunteer leaders, and volunteer coordination and recognition. The Iowa Department of Natural Resources (DNR), Iowa State University Extension Forestry and Horticulture Departments, Trees Forever, and additional grassroots organizations work together to reach objectives set by the Iowa Urban and Community Forestry Council.

Awareness

Iowa's Trees For Kids and Trees For Teens programs are statewide cooperative tree education and planting programs for elementary and secondary schools. In 2000, a record 9,280 teachers and youth leaders participated in these programs — a 31 percent increase over 1999. Teachers received specially designed conservation education materials and worked with over 474,000 students who planted more than 90,000 trees in public areas with a retail value of \$2,600,800. These programs are entirely supported by donations totaling \$54,000 from MidAmerican Energy, Peoples Natural Gas and Alliant Utilities, along with support from Iowa's Nursery and Landscape Association, Iowa's Bankers Association, Iowa Society of American Foresters, Cascade Forestry Services, and Trees Forever.

As part of the 2000 Reading Rangers Program, Iowa students read 123,000 pages during Earth Week, resulting in 6,157 trees being planted at Loess Hills State Forest.

One-hundred-seventeen (117) Iowa communities achieved Tree City USA recognition, with 31 of these communities receiving Growth Awards for achievement of special initiatives.

Trees Forever provided support and training to more than 355 Iowa communities with matching funds for tree planting totaling more than \$383,000 from Alliant Utilities and Peoples Natural Gas.

The Iowa State University Extension Forestry and Horticulture staff offered a series of 23 community tree workshops to 590 individuals. Three-hundred-fifty-eight (358) graduates of the Community Tree Steward Program provided over 10,600 hours of community service. The Iowa Arborists Association held a series of workshops for public and private tree firms to

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improve evaluation and rigging skills in **Des Moines** and **Iowa City**. More than 110 arborists attended.

The new childrens book, *The Forest Where Ashley Lives*, written by Iowa State University Extension forestry, was supplied to every elementary school library in the state (a total of 1,200 copies).

Outreach and Environmental Equity

The DNR, in cooperation with the Iowa Nursery and Landscape Association, implemented the first ever state funded community tree planting grant program called "A Million More by 2004." A total of \$192,000 was given to 91 local projects, resulting in the planting of 4,625 landscape trees being established on local public lands. The Iowa DNR established a state Millenium Grove project of 100 Sullivan Brothers crabapples. One tree was planted in every county across the state in cooperation with all 99 Iowa County Conservation Boards, Mid-American Energy, USDA Forest Service, and American Forests.

At Governor Tom Vilsack's request, the Iowa DNR coordinated the planting of 20 new landscape trees in 20 different communities as part of the Governor's effort to connect with Iowans, called the Governor's Walk Across Iowa. Residential tree distribution programs encouraged long-term neighborhood reforestation in the **Council Bluffs** and **Des Moines** metro areas. Through this program, landscape trees were offered at reduced costs for planting on private property. The project was funded through private corporate donations and public service grants from the Iowa West Foundation, Brenton Bank, and Prairie Meadows Racetrack and Casino. A total of 1,975 trees worth nearly \$212,875 were planted by approximately 1,950 residents. The DNR, in cooperation with the

City of **Cedar Rapids** Forestry Division, conducted 100 percent tree inventories of six Community Development Block Grant neighborhoods and coordinated a residential tree planting program distributing 85 large landscape trees to low-moderate income residents.

The DNR coordinated a volunteer acorn collection statewide to assist the State Forest Nursery in growing conservation stock for the year 2002. More than 600 bushels of acorns and 200 bushels of walnuts were collected and donated by 500 citizens.

Comprehensive Natural Resource Management

About 2,000 copies of the new 60-minute video, *Backyard Conservation*, developed by Iowa Public Television, the USDA Forest Service, E Resources, and the Iowa DNR, were duplicated by the Iowa DNR Forests/Prairies Division and distributed to every school library in the state.



Students participating in Iowa's Community Tree Steward Program.

Maine

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The mission of the Maine Community Forestry Program is to provide leadership, technical services, and financial assistance necessary to support the stewardship of Maine's community forests. The program fosters public awareness of the contributions that community forest ecosystems make to improve the quality of life and the environmental and economic well-being of the citizens of Maine.

Program Highlights

Number of Communities	492
Communities Assisted	135
Tree City USA or Equivalent	10
Federal Support	\$225,000
State and Local Matching	\$243,396

Partnerships

The biggest success of the Community Forestry Program over the past year has been the amount of outreach accomplished with a variety of partners throughout both congressional districts. The number of workshops, conferences, and seminars was increased as well as the number of attendees through joint partnerships with Central Maine Power, Pine Tree State Arboretum, and Cooperative Extension, among others. Program staff members partnered directly with communities that were eager to get involved such as **Lewiston, Augusta, Hallowell, Brunswick, and Orono**. There

were nearly five times more attendees than there were the previous year.

Awareness

This year's Arbor Day event was the biggest in Maine's history. Well over 80 people attended the function held at the State Museum. It was a culmination of a number of events from Stewardship awards to the Small Woodland Owners of Maine award to Tree City USA. In addition to the numerous awards, there were display booths and seedlings handed out.



Kayla Frechette, State Arbor Day Poster Contest Winner, receiving her award from State Forester Tom Doak.

Four communities in the state – **Portland, Orono, Augusta, and Caribou** – were each awarded 25 Millennium Grove trees.

The state celebrated "Community Forestry Month" in October. Governor Angus King first proclaimed October as Community Forestry Month in 1999 with a repeat this year.

Community Forestry program "contact hours" increased by 40 percent. Nearly 4,300

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Dave Gomeau, City Arborist, accepting Millennium Grove award for the City of Augusta as presented by Tree Board member Norm Elvin.

direct contact hours were recorded in 2000, and the newsletter mailing list grew steadily over the year.

Outreach and Environmental Equity

Over the past year, the Community Forestry program made a concentrated effort to outreach to northern Maine, specifically **Aroostook** County. A number of communities and organizations have become involved in this program. One is the Houlton Band of **Maliseet** Indians. The community felt that it was important to provide trees and shrubs in a housing development that has been on their property for a number of years and suffered from several environmental impacts because of its setting. They did a tremendous job in getting the community involved and in educating

members about the importance of planting and caring for trees.

Comprehensive Natural Resource Management

Another success was with the coastal town of **Southwest Harbor**. The Community Forestry program assisted the community with a state-of-the-art tree inventory program and management plan. The addition of the inventory on a Geographic Information System (GIS) has further helped the community make trees an integral part of their planning process. This community has become a model for good resource management.

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The Maryland Urban and Community Forestry (UCF) program supports natural resource stewardship throughout the state with programs ranging from riparian restoration to the development of a new Tree Expert Licensing test.

Program Highlights

Number of Communities	185
Communities Assisted	131
Tree City USA or Equivalent	39
Federal Support	\$253,900
State and Local Matching	\$238,350

Partnerships

The Maryland Community Forest Council conducted the 8th Annual Community Forestry Workshop in partnership with Bartlett Tree Experts and the City of Westminster. Approximately 120 tree managers attended.

Sixty-five volunteers planted 150 native hardwood trees and shrubs along the creek that flows through the local community, then into the Potomac River. Partners included the TREE-MENDOUS Maryland Program, a Service Fraternity from the University of Maryland, Anne Arundel Community College and Montgomery County Parks. Sixteen visiting Japanese educators learned



Motivated young people enhance our urban forest resources and show their green side at a TREE-MENDOUS Maryland tree planting.

about the benefits of tree planting in urban and riparian areas. In addition to promoting the customary environmental awareness and teaching the basics of proper planting and mulching, the visitors received a first-hand experience in environmental volunteerism, which they described as a very new and unique concept in their culture.

Awareness

A number of educational events were conducted, including the second Biennial Roadside Tree Right-of-Way User's Meeting, co-sponsored by the Mid-Atlantic Chapter of the International Society of Arboriculture, and attended by approximately 100 utility, public works, and other vegetation managers. Tree Identification in a Forest Setting was also conducted for and in co-sponsorship with the American Society of Landscape Architects, and it was attended by 70 members.

Over 21,109 volunteers offered nearly 95,150 hours of service toward tree planting, care, maintenance, and other related events and projects sponsored by Maryland Department of Natural Resources (DNR) Forest Service. One-hundred-four (104) persons took the Maryland Licensed Tree Expert examination.

ACCOMPLISHMENTS

Outreach and Environmental Equity

Participation in the Tree City USA program remained at 39 communities over the year. Spending by participating jurisdictions increased to \$4.11 per capita for a total of \$11,973,506 to support urban forestry programs for more than 2,902,177 citizens, or 57 percent of the entire state population. Minority citizens make up 45 percent of the population in Maryland's Tree City USA communities.

Under the PLANT (People Loving And Nurturing Trees) Community Awards program administered by the Maryland Community Forest Council and the Maryland DNR-Forest Service, there were 144 PLANT communities — 44 percent over the target and 21 percent more than the previous year's level. The program has moved its focus from acquisition to development of sustainability. While new participants were only 80 percent of the amount in 1999, this year twice as many communities stayed at the same level or grew one or more levels.

Comprehensive Natural Resource Management

The state's Forest Conservation Program conducted a study of the State Forest Conservation Act's efficacy during its first five years. The analysis revealed that for acres of existing forest on development sites, 22,508 acres were retained, 12,210 acres were cleared, and an additional 4,313 acres of forest were planted.

Data collection was just completed on Maryland's first-ever Roadside Tree Forest Health Assessment. A product of a partnership between the Maryland Department of Agriculture, the USDA Forest Service, and West Virginia University,

this effort provided data on the quantity and quality of Maryland's roadside tree resource in the **Baltimore-Washington** corridor.

Only 15 percent of plots had trees in them, and stocking was only 14 percent of potential. The estimated number of roadside trees in the study area was 392,888. The potential roadside tree stocking was over 2.8 million. The trees are in fairly good health.

Thirty-five Maryland DNR-Forest Service personnel have become ISA Certified Arborists. This has allowed the state to bring personnel up to current standards of practice in commercial tree care. More individuals are scheduled for testing.



At the annual meeting of the Baltimore Ecosystem Study, Supervisor of Urban and Community Forestry Mike Galvin presented the Gold Leaf Award on behalf of ISA to Jackie Carrera and Guy Hager for their work with Revitalizing Baltimore.

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Massachusetts is blessed with climate and geography suited to growing robust forests, and a citizenry with a strong conservation ethic learned from early over-consumption of resources. With both dense populations and vast town forests, commons and conservation land, the people of Massachusetts have come to expect the steady comfort and beauty of trees in their neighborhoods.

Program Highlights

Number of Communities	360
Communities Assisted	250
Tree City USA or Equivalent	61
Federal Support	\$246,100
State and Local Matching	\$366,256

Partnerships

Mass ReLeaf partnered with Mass Highway Department to channel \$125,000 in surface transportation enhancement money to 40 diverse communities for tree planting grants.

Parks as Classrooms and Project Learning Tree Programs of the Department of Environmental Management integrated environmental education projects into regular urban forestry projects such as the annual poster contest and Arbor Day activities involving about 2,000 children. Seven new business partners joined the

Massachusetts Memorial Tree Program to make donations for tree-planting grants to local communities through Mass ReLeaf.

Awareness

Somerville's Eagle Eye Institute launched a public service campaign portraying urban youth interacting with urban trees in its innovative *Trees Are My Friends* Campaign. Nearly a dozen television stations in the state ran the public service announcement. A hotline connected youth with urban forestry activities and organizations near them.

Grant applications and information are mailed to two representatives from each city and town and are available on the Department's website. The Urban Forestry Program participated in a series of grant workshops targeted at municipal leaders around the state.

Press releases were regularly issued to local newspapers statewide announcing community accomplishments such as Tree City USA and the receipt of grants. Press coverage aids communities in building long-term support for urban forestry. High profile events, such as the Liberty Tree Day celebration attract non-traditional supporters to urban forestry and gain regional press coverage.

Outreach and Environmental Equity

The Urban Forestry program completed an analysis of the distribution of its federal grant funds to low-income and minority communities. Based on US Census definitions, 29.6 percent of the state's cities and towns are low-income (under \$15,000 per capita) or have high minority populations. Grants were made from federal funds to a total of 58 communities from 1996 -1999. Of this figure, 29.3 percent of all grants were to low-income or minority communities.

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Through Urban Forest Planning and Education Grants, young people from urban communities experienced stewardship of trees and forests in Franklin Park Coalition's 'Urban Naturalists' project in **Boston** and **Lowell** Children's Museum's 'City Trees and the Air Ballet' exhibit. Disadvantaged young adults learned hands-on skills to care for trees and landscaping in the **Lynn** Housing Authority's 'Landscape Training Program' and in **East Boston** Ecumenical Association's 'Chelsea Creek Summer Landscaping Program.'

Program staff participated in the Massachusetts Environmental Justice Working Group to develop policy for the environmental agencies in the state.

Comprehensive Natural Resource Management

The City of **Fall River** made open space more accessible to all its residents through the 'Copicut Watershed Open Space Enhancement' Project.

Planning and Education grants or direct technical assistance supported urban forest surveys in **Malden, Dalton, Lynn, Chelsea** and **Peabody**. Master Plans were developed for the arboretums in **Acton** and **Pittsfield**.

The UCF program joined with 12 other environmental agencies and watershed organizations to draft a major proposal for comprehensive management of the City of **Worcester's** watershed.



Elementary school students celebrate Arbor Day in Burlington, Massachusetts.

Michigan

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Key urban and community forestry issues in Michigan include integrating natural resource management across landscapes and ownerships in urban, suburban, and rural communities; awareness and education related to natural resources; and technical assistance. The Michigan Community and Urban Forestry Program directly impacts community health and resource sustainability by providing the tools needed to make informed decisions about managing natural resources.

Program Highlights

Number of Communities	1,367
Communities Assisted	396
Training Hours	73
Federal Support	\$287,900
State and Local Matching	\$287,900

Partnerships

The Michigan Community and Urban Forestry program strongly supported Michigan's broad-spectrum assistance concept, the Cooperative Resource Management Initiative (CRMI) through training, technical information, materials, and assistance. Under the CRMI umbrella, state agencies and other programs coordinate natural resource assistance to communities in urban, suburban and rural landscapes across programmatic areas and professional disciplines. Thirty-one (31) Resource

Professional (RP) positions were established at local Conservation Districts. Urban and community assists through RP's included 2,500 contacts, 740 government assists, 639 community, school and landowner presentations with 27,000 participants.

The Michigan Community and Urban Forestry Program partnered with the **Ingham County** Conservation District and the Michigan Arbor Day Alliance to fund Arbor Day activities. Nine hundred second and third grade students participated in the statewide celebration, and Arbor Day Alliance members visited 10 community celebrations. Other initiatives include distributing the Michigan Arbor Day packet to communities and schools and the National Arbor Day Poster contest.

Together, the Greening of **Detroit** and the Michigan Community and Urban Forestry Program funded several different technical assistance and education efforts including seven community plantings, three schoolyard renovations, three park plantings, and TreeKeeper software training for 48 people (384 hours) and education programs for 1,750 students.

Awareness

In honor of Arbor Day, the Michigan Community and Urban Forestry Program awarded 50 Arbor Day mini grants. Through these grants, 192 trees were planted, library materials were purchased for five libraries, and Arbor Day celebrations were held.

Throughout the year, the Michigan Community and Urban Forestry Program funded 24 Community Forestry grants for approximately \$131,000 and provided six libraries and nature centers with funding to develop and expand their urban and community forestry reference materials. Three communities conducted tree inventories.

ACCOMPLISHMENTS



Mini-grants awarded by the Michigan Community and Urban Forestry Program in honor of Arbor Day helped plant more than 190 trees at celebrations throughout the state.

Outreach and Environmental Equity

Michigan State University and the Michigan Community and Urban Forestry Program developed a model workshop titled *Dialog for Diversity* to increase public participation with under-represented residents who have an interest in forestry and natural resource management. The first of five workshops was successfully held with 40 participants.

Minnesota

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Urban and Community Forestry (UCF) in Minnesota is a cooperative effort among many entities including federal, state, local, nonprofit, and volunteer organizations. The UCF Program seeks to strengthen advocacy by local leaders and increase the capacity of local units of government to manage appropriately their community forest resources.

Program Highlights

Number of Communities	862
Communities Assisted	246
Tree City USA or Equivalent	125
Federal Support	\$225,900
State and Local Match	\$1,065,000

Partnerships

Over the past three years, University of Minnesota researchers and the Department of Natural Resources have collected data from cities and performed autopsies on hundreds of wind-damaged and downed trees. Deep planting, resulting in stem girdling roots, was identified as the leading cause of whole tree failure. This work resulted in two publications, *A Practitioner's Guide to Stem Girdling Roots of Trees*, and a smaller, companion piece for homeowners. These findings have also been presented in numerous workshop venues to teach

arborists and city staff how to predict and prevent storm damage to trees.

The Department of Natural Resources also combined the stem girdling roots research with other current research to develop the publication, *Standard Tree Planting Specifications* for use by Minnesota ReLeaf grantees and others. The Minnesota Society of Arboriculture and the Minnesota Nursery and Landscape Association are further using this information to pursue the adoption of a new standard for tree planting depth through the National Nursery Association.

Outreach and Environmental Equity

The Department of Natural Resources has completely redesigned the database of information that tracks the status of local forest management programs. Building on the Forest Service's continuum of measuring program sustainability (the Performance Measurement Accountability System), the Department has incorporated 27 local program components to more accurately assess a community's capacity to care for its trees. Further development of the Department's intra-net modules has allowed field staff to report accomplishments electronically and simplify its summation and analysis. By sharing this information with the Department of Natural Resources' many partners, the tracking of assistance to communities is more coordinated and Department of Natural Resources field staff can better target their efforts as staff resources and program funds continue to be reduced.

Comprehensive Natural Resource Management

Through a USDA Forest Service Focus Funding project, the Department of Natural

ACCOMPLISHMENTS

Resources is working with the cities of **Lino Lakes** and **Hugo** to test the application of best management practices in development in wooded areas. The Department of Natural Resources staff developed the publication *Best Management Practices for Conserving Wooded Areas in Developing Communities* that provides guidelines for landowners considering development on properties between 5 and 20 acres in size. This test application has helped develop and organize the first in a series of three types of workshops that are targeted at local planners/decision makers, natural resource practitioners, and developers. Additionally, a builder/developer awards program is being promoted to recognize exemplary development efforts. The workshops and the awards program are being developed in collaboration with the Tree Trust, a local non-profit.

A new Focus Funding project will allow the Department of Natural Resources to develop generic materials related to best management practices so other states can duplicate these efforts. Cities and developers participating in the program will provide sites to monitor the success of these guidelines and educational efforts. This monitoring will allow the Department of Natural Resources to update and improve the materials, as well as provide

valuable data for a new oak forest health research project being done in cooperation with the USDA Forest Service and the University of Minnesota.

In this project, over the next five years, a research team will document the history of impacts of development on oak forest health, devise a model for predicting future impacts in areas slated for development, and replicate research plots in other states.

The Department of Natural Resources has funded 17 community forest inventory projects in 2000 through the Minnesota ReLeaf grant program. These projects range from traditional street tree inventories to an assessment of forestland that may be impacted by planned development in rapidly growing communities.

A prime example is the city of **Red Wing**, where the tree inventory became a component of the inventory of road surfaces. This combination of data in an inventory will allow for better coordination among public works-related activities, as well as the ability to more accurately assess the city's progress toward its community forestry goals.



Through Minnesota's ReLeaf grant program, the Department of Natural Resources funded 17 community forest inventory projects in FY 2000.

Missouri

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The Missouri Department of Conservation (MDC) continues to promote and support urban and community forestry activities statewide. MDC assists communities in the development of sustainable urban and community forestry programs through community enabling grants, promotion and coordination of volunteer-driven urban and community forestry programs, local coordination of the Tree City USA program, and the Missouri Community Forestry Council.

Program Highlights

Number of Communities	847
Communities Assisted	248
Tree City USA or Equivalent	52
Federal Support	\$243,900
State and Local Matching	\$631,062

Partnerships

Working closely with Forest ReLeaf of Missouri, who contracts to be the urban and community forestry volunteer coordinator, MDC supported new and existing volunteer groups with technical and financial assistance. For example, the Treekeepers program, which trains and utilizes volunteers for community tree maintenance, continues to expand in communities such as Springfield, Kansas City, St. Joseph, St. Louis, and Columbia.

The Branch Out Missouri program provided 36 tree planting grants totaling \$158,614. This program provides 60-80 percent of the total cost of the projects and the applicants provide the remaining funds. As a result of this grant project 1,853 trees were planted in communities all over the state.

Awareness

The Missouri Community Forestry Council (MCFC), supported by the MDC, has played a big part in utilizing volunteers to educate the public about urban and community forestry programs in the state. The year 2000 marked the launch of a public service campaign designed to educate the public that tree topping is not a desirable practice and to provide some alternatives to topping. The campaign is called *Experts Agree Don't Top Your Tree*. Campaign materials have been placed across the state and a 1-800 hotline number has been established. In addition, requests for materials from 22 other states have been answered.

The Missouri Community Forestry Council continued its sponsorship of an annual urban forestry conference held in conjunction with the Missouri Parks and Recreation Association conference. Each year the conference provides a program with professional speakers and creates an avenue to reach those people in charge of municipal tree programs. This year, approximately 100 people attended each technical session. Special emphasis was placed on practical hands-on information. This resulted in an expansion of the conference's appeal and boosted registration.

The Council continued its active role in support of urban forestry programs. Educational activities this year included the statewide Arbor Day Poster Contest for all fifth-graders in the state; regional workshops and seminars on topics such as tree selection, tree care, pruning techniques, and tree

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inventories; and the publication of a quarterly newsletter titled *Cityscape* which covers activities of the Council, recognizes individuals and communities with outstanding urban forestry projects, provides technical tree care information and a calendar of upcoming events.

The Missouri Treescape Awards are presented annually to towns, businesses, groups or individuals who have completed exemplary tree planting projects that benefit their entire communities. Awards were presented by the Missouri Department of Conservation Director, Jerry Conley, and Mrs. Jean Carnahan, Missouri's First Lady.

Comprehensive Natural Resource Management

Springfield City Utilities, St. Joseph Light and Power Company, Columbia Water and Light Department, Ameren, and Independence Power and Light were all recognized by the National Arbor Day Foundation as Tree Line USA companies.

Fifty-two communities received Tree City USA status. Four of these were new to the program. Seven communities received Growth Awards. Communities spent an average of \$7.80 per capita on tree care. An estimated 35 percent of the state's population live in a Tree City USA community.

The Tree Resource Improvement and Maintenance (TRIM) program provided 16 Missouri communities with grants this year totaling \$111,348. Recognizing the importance of continued tree care and maintenance after initial planting, this grant program provides cost share grants to communities for non-tree planting projects. The grants are available for activities such as urban tree inventories, hazard tree identification and management, routine pruning activities, educational materials, and

tree ordinance development. Communities must articulate how their proposed project will advance long range community forestry goals for their community.



Informational brochures like this, along with posters and press kits, support the state's Anti-Tree Topping campaign.

New Hampshire

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Although predominantly rural, New Hampshire has experienced a gain in population of 6.8 percent between 1990 and 1998, making it the fastest growing state in the northeast. This increase has come at the expense of forest cover.

The Division of Forests and Lands has a three-pronged program for providing community forestry assistance. The first is through its regional staff that assists communities with the management of publicly owned lands. The second is the Urban Forestry Center in **Portsmouth**, and the Shieling Forest in **Peterborough**, where informational and educational programs on forestry and horticulture are presented to the general public. The third is the Community Tree Steward Program that trains volunteers to assist communities with public awareness, inventories and evaluations, tree planting and maintenance, fundraising, the development of ordinances, and the formation of concerned citizen committees.

The University of New Hampshire (UNH) Cooperative Extension has specialists based in **Durham**, New Hampshire and extension educators in Forest Resources located in each of the 10 counties of the state. They offer both scientific information and technical assistance to communities.

Program Highlights

Number of Communities	237
Communities Assisted	124
Tree City USA or Equivalent	11
Federal Support	\$225,000
State and Local Matching	\$225,000

Partnerships

Eighty-one New Hampshire Community Tree Stewards volunteered a total of 3,036 hours assisting 61 New Hampshire communities by serving on tree committees, working on landscape projects, doing tree evaluations and inventories, and helping with fundraising efforts. Mary Tebo, Community Volunteer Coordinator with UNH Cooperative Extension, heads up this very successful program in the **Manchester/Nashua** portion of the state, while being assisted by A.J. Dupere, Community Forester in the seacoast communities. The partnership between the Natural Resource Conservation Service and the Conservation Districts continued this year, as Tree Steward training was opened to Earth Team Volunteers.

The partnership with the Community Forestry Council continues to grow and expand. The council had a productive year as they assisted in completing a five-year strategic plan for the Community Forestry program. They also initiated an urban forestry bulletin that will be published on a quarterly basis.

Awareness

The town select board of **Gorham** school administrators, teachers, and volunteers developed a conservation education curriculum that makes innovative use of local resources. A series of forestry and related conservation subjects are being taught throughout the **Gorham** school system with the involvement of the town forester and

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community forest resources personnel. The 4,000-acre Town Forest has been developed into an outdoor classroom where school children learn about the outdoors, ecology, forestry and management of natural resources.

A four-part Tree Care and Maintenance Tailgate series was developed and presented to tree care companies and municipal agencies in the state. The series consisted of five two-hour sessions covering tree biology, tree planting, tree care and other basic topics. The program takes the training to the worker's site, where they are more able to participate.

An Arbor Day Program was conducted with the City of **Laconia** and the Lakes Region Christian School. Approximately 65 people (students, teachers, and parents) and the Mayor attended with local newspaper coverage. The Tree City USA award was presented.

The Urban Forestry Center continues to be a strong point in the urban forestry program. The 170-acre property offers educational benefits and networking opportunities. The center utilizes a bimonthly newsletter to advertise the many seminars it offers. Workshops include topics such as landscaping for energy conservation, backyard wildlife habitat, and pruning shade trees.

Outreach and Environmental Equity

Manchester's Center City Green Neighborhoods project was developed by tree stewards who have completed a natural resource inventory over a 90-block area. Landscape plans, planting and maintenance projects have been completed at several sites including Pine Street Community Garden, Cedar Street Family Park, and Merrimack Place Townhouses. Time was also spent this year assisting with the newly established Family

Home and Garden Center, designed to assist homeowners with questions.

The **Manchester** Vacant Lot Committee, chaired by Mary Tebo, was nominated for a HUD award as an outstanding community project. The committee worked to restore degraded open spaces by utilizing volunteer efforts to design and plant attractive landscapes, develop partnerships, and seek grant funding.

Comprehensive Natural Resource Management

In the center of **North Sandwich** is a one-acre park known as Remick Park. It ensures that permanent green space will remain a central part of this little village. This year, a community effort established a permanent tree on the site. The County Forester, Peter Pohl, donated a large 14-foot balsam fir, and a local arborist donated time and some equipment to help ready the tree for transplanting in mid-May. The town's highway crew used their equipment to extract the tree and transplant it in the park.



Stan Knowles, Community Forestry Advisory Council Chair, and J. B. Cullen, Division of Forests and Lands, with the forestry display at Festival New Hampshire.

New Jersey

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New Jersey is the most densely populated state in the nation, with the fastest increase in population density growth of any northeast state. Urban areas occupy over one million acres or thirty percent of the land area. The New Jersey Community Forestry Program strives to address the specific risks and broad challenges that threaten urban forests and the overall health of New Jersey's natural resources.

Program Highlights

Number of Communities	587
Communities Assisted	279
Tree City USA or Equivalent	107
Federal Support	\$282,200
State and Local Matching	\$1,465,000

Partnerships

The New Jersey Community Forestry Council continued to gain prominence with the state legislature by securing \$1,220,000 for the Community Forestry Program. This state support provided for three urban foresters and two grant programs that will allow communities to undertake activities defined within their community forestry management plans.

In conjunction with Arbor Day activities, the NJ Tree Foundation implemented *Celebrate Arbor Day 2000!*, a statewide volunteer tree

planting and community forestry education event. Through the support of the National Tree Trust, nine regional workshops were held to train volunteer group leaders on how to implement an effective tree-planting event. Fifty-nine volunteer groups, representing over 2,000 volunteers came together during the spring to plant 5,867 trees. A similar project was held in the fall to celebrate *Make a Difference Day*. Sixty-two groups representing over 3,000 volunteers planted 3,586 trees.

The New Jersey Tree Foundation worked in partnership with the State Forest Service to develop *New Jersey's Millennium Arbor Day—Tomorrow's Future Planted Today*. The Arbor Day event was held in **New Brunswick's** urban Feaster and Pitman Parks and surrounding streets leading up to the parks. That day 105 volunteers planted 101 large shade trees. This massive tree planting created a cool, shaded greenway that residents will enjoy for years to come. The Arbor Day Ceremony included speeches by local dignitaries, entertainment, award presentations, and ceremonial tree planting with state and local officials.



As interest grows in the Community Forestry program, more trees are needed for planting.

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Awareness

Recent surveys indicated that Bacterial Leaf Scorch of northern red oak (the NJ State Tree), pin and scarlet oaks are widespread within New Jersey, with many communities experiencing a high disease incidence. A public information campaign concerning this devastating disease resulted in many newspaper articles and the development of a pest alert sheet. From this initiative, the state council was able to get legislation submitted for research and a statewide survey of its occurrence. This legislation also provided for an additional \$100,000 of community forestry support for treatment, awareness, testing, and a survey.

Outreach and Environmental Equity

A Diversity Forum was held in the city of **Newark** to facilitate public discussion on community forestry issues. As partners, the NJ Tree Foundation, State Forest Service, USDA Forest Service, and Michigan State University gathered residents and local natural resource professionals together to find out how natural resource programs could better meet the needs of the city. One of the most important discoveries of this forum was that residents were extremely interested in community forestry opportunities, but did not have the necessary information to take action.

Comprehensive Natural Resource Management

Three new community forestry records were accomplished as a result of efforts of the staff. First, New Jersey increased its Tree City USA total to 107, moving the state up one notch to eighth in the nation. Second, twenty-two people were certified as Tree Experts, the most people ever certified in one year.

The certification exam is considered by some to be the hardest tree expert exam in the country. Third, the number of communities working on management plans is at 154, which represents almost one-third of all the towns and cities in New Jersey.

The Community Forestry Program conducted a second statewide health assessment of its community forestry resource. The study was designed to compare the exact 432 plots used in the 1994 assessment. The results not only highlighted the factors and problems associated with New Jersey's street tree resource, but also established a baseline of data needed to monitor and record health trends over a long period of time. The final report, *Trees in Crisis*, is available to interested individuals and policy makers and provides recommendations to issues stated in the report.

The Urban Forest Air Quality Project has expanded to include three more communities, **Freehold**, **Woodbridge** and **Moorestown**, in addition to **Jersey City**. This study uses field data and the Urban Forest Effects (UFORE) model written by Dr. David Nowak of the USDA Forest Service to quantify urban vegetation, calculate hourly urban forest volatile organic compounds emissions, calculate the total carbon stored and net carbon annually sequestered by the urban forest, quantify the amount of air pollution removed and estimate the amount of energy conserved due to trees.

New York

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New York is a large and diverse state, both in its land mass and population. It is rural in nature, with over 18.5 million acres of forest land, or about 62 percent of the state. The expanding urban/rural interface zone affects about half of this forestland, with an ever increasing total as development continues. The metropolitan regions of the state, around the seven primary population centers, contain the majority of the citizens. The urban and community forestry program in New York State is as varied as the people and geography of the state.

Program Highlights

Number of Communities	758
Communities Assisted	235
Tree City USA or Equivalent	83
Federal Support	\$454,300
State and Local Matching	\$1,090,850

Partnerships

Floral Park's Public Works - Citizen Volunteer Partnership heightened interest in trees in 1988 when a tree inventory was completed. Residents involved in the Year 2000 tree-planting program will receive a direct mailing, including information about the species of trees planted, "wire-friendly" trees that have been chosen to provide less interference with electric lines, how to nurture the young trees, what they should expect of

the Public Works professionals, and information about trees diseases and tree pests in the suburban environment.

This year New York took an important step in improving the program when the New York State Urban Forestry Council became an independent not-for-profit organization. The new Council will be able to work independent of the state in developing programs and raising funds for urban forestry.

Awareness

The Asian Longhorned Beetle (ALB) has not been eradicated, but its progress from tree to tree has been drastically curtailed. The Watershed Agricultural Council and New York City's Trees New York and City Club jointly held a conference in May. New York ReLeaf's Region 2 Planning Committee and Consolidated Edison Company were the primary sponsors. The workshops focused on how to contain and eliminate the beetle. As the fifth summer of beetle detecting begins, a far more organized program is in place. New "front line troops" have been identified in Brooklyn's brownstone neighborhoods: those who live on the third and fourth floors and whose windows look out directly into the canopy. These urban dwellers are back-up for more professional efforts conducted with bucket truck surveys and the USDA Forest Service's smoke jumpers.

Taking Root, the State's new urban forestry newsletter, has a circulation of over 5,000 people. The newsletter serves as a vehicle for informing New Yorkers about the importance and benefits of the urban forest. The publication is produced three times a year.

New York ReLeaf is an umbrella for the State's outreach and education program. Through the efforts of the Council and New York ReLeaf, many great things have been

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accomplished. One example is the annual conference, which gives people from all areas of the State the opportunity to come together to learn and share ideas.

ReLeaf - NY Long Island Region's School Spruce Up Program has now completed its third year and has helped fund 19 projects with a total of \$8,150. Typical projects have been the planting of trees for reading gardens, outdoor classrooms, and wildlife habitats. The program has received funding from the Estee Lauder Companies, Long Island Power Authority, and KeySpan Foundation.

Outreach and Environmental Equity

Albany's W. Haywood Burns Environmental Education Center is sponsoring a community education project that addresses the environmental justice issue of clean water for all citizens. Using the vehicle of an art contest, the project will educate about Tivoli Preserve, Tivoli Lake and Patroon Creek. The Preserve, which is close to the Arbor Hill Elementary School in **Albany**, is an 80-acre park of wetlands, a lake, fields, forest and upland habitat. The Environmental Education Center will encourage young students to visit and study the Preserve, to chronicle its strengths and its problems through art, and to become involved in its better future.

Comprehensive Natural Resources Management

New York State's Community Forestry Grant Program has awarded 91 urban forestry grants totaling more than \$500,000 for tree planting and educational projects across New York State over the last three years. This year 26 grants totaling \$180,000 were awarded.

Nestled in the rolling hills 20 miles south of **Buffalo** is the historic village of **East Aurora**, a Tree City USA since 1998. This community

of 7,000 residents has a distinctive, scenic, small-town flavor augmented by an estimated 4,000 trees. **East Aurora** has initiated a new educational project, *A Village of Green*, with three major objectives: a street tree inventory, a planting and management plan, and a new website and Tree Summit to educate residents about trees.

For the first time, the urban and community forestry program received state funding as part of the 2000 Environmental Protection Fund (EPF) in the New York State Budget. This year, NYS Sierra Club and the Environmental Justice Alliance identified urban forestry as a priority. The result is inclusion of \$150,000 in the EPF, to be used for the 10 cities of over 65,000 in population.



Planting trees in Rupert Playground in New York City. All trees were removed because of Asian Longhorned Beetle infestation.

Ohio

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Ohio's Urban Forestry Program is a state-supported service of the Ohio Department of Natural Resources providing organizational and technical urban forestry assistance primarily to community officials and allied agencies. A statewide network of six regional urban foresters helps communities manage their urban forest resources to meet local needs.

Program Highlights

Number of Communities	942
Communities Assisted	236
Tree City USA or Equivalent	222*
Federal Support	\$342,900
State and Local Matching	\$312,000

**First in nation.*

Partnerships

The Ohio Environmental Protection Agency (OEPA) and the Ohio Department of Natural Resources Division of Forestry completed the first round of the Bicentennial Legacy Tree Planting Grant Program. Through this partnership, 25 Ohio community tree-planting projects were approved. This initiative is part of Governor Bob Taft's target of planting two million trees by the state's Bicentennial in 2003. The effort is funded up to \$400,000 per year of OEPA air pollution fines.

In cooperation with the Division of Forestry's Forest Health Program, Gypsy Moth and Asian Longhorned Beetle efforts were implemented statewide. Several joint meetings and conferences were dedicated to Gypsy Moth issues in both the infested and non-infested portions of Ohio. Additionally, Asian Longhorned Beetle awareness programs and a pilot survey were conducted.



Urban Forestry staff partnered with Forest Health staff to conduct an Asian Longhorned Beetle survey.

A joint meeting was held between Ohio's investor-owned and rural co-operative electric utilities and state urban foresters. This will strengthen the relationship between these two urban forestry stakeholder groups by increasing their mutual understanding and rapport.

Awareness

To instill a stewardship ethic, as well as support healthy and sustainable communities, the six state urban foresters hosted regional urban forestry conferences. These programs provided mayors, managers, city foresters, tree commission members, and green

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industry companies an opportunity to gain and share information to help them implement local projects and programs. Additionally, the annual City Foresters' Symposium was held in conjunction with Ohio State University solely for the state's practicing city foresters. The state regional urban foresters provided 16,900 seat hours of training.

For the eighteenth consecutive year, Ohio led the nation in the number of Tree City USA communities. Ohio's 222 designated Tree City USA cities and villages demonstrate a commitment to enhancing the quality of life through the proper management of their urban forest resources.

Outreach and Environmental Equity

Minority outreach efforts continue to be actively pursued. The objective is a

comprehensive partnership among the Ohio Department of Natural Resources, Ohio State University, and Ohio's green industry responsible for an awareness, role model, recruitment, mentoring, intern, and employment program for Ohio minorities.

Comprehensive Natural Resource Management

Because of the abnormally dry summer of 1999, gypsy moth defoliation became a significant problem in several northeastern Ohio communities. Regional urban foresters worked with municipal managers to address both the short-term impact as well as the long range management implications.



Urban forestry conferences provide information sharing opportunities.

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The Pennsylvania Urban Forestry Program provides the means and resources to establish and maintain urban forests in communities across the state. This assistance beautifies communities and elevates the pride and level of involvement of Pennsylvania residents.

Program Highlights

Number of Communities	2672
Communities assisted	405
Tree City USA or Equivalent	80
Federal Support	\$477,900
State and Local Matching	\$751,737

Partnerships

The Extension Urban Forester for northwestern Pennsylvania presented the National Lands Trust *Growing Greener* workshop and community auditing services. During the first week in April, the Pennsylvania Environmental Council, the Natural Lands Trust, and the Extension Urban Forestry Program pooled funds and efforts to present three *Growing Greener* workshops. Overall, one hundred participants learned ways to conserve special natural features during development and to audit their zoning, subdivision, and other ordinances to determine their effectiveness of conserving the natural environment during development.

The Extension Urban Forestry Program continues to work with the Erie County Environmental Coalition, the Pennsylvania Bureau of Forestry, Mercyhurst, and the Trinity Center to help provide the center city neighborhood with new life. With the vision of Erie's Trinity Center, the neighborhood is banding together to create landscapes of pocket gardens and street tree plantings.

Awareness

In northeastern Pennsylvania, approximately 65 shade tree commission members attended a comprehensive short course that gave tree commissioners and volunteers 16 hours of training in areas such as tree ordinance development; fundraising; selecting, planting, and caring for community trees; hazard tree assessment; community liability; conducting street tree inventories; working with the media; writing management plans; and quantifying the benefits of urban trees.

In July, *Woods, Water, and Wildlife: Integrating Environmental Standards in Teaching*, a 5-day graduate-level short course that focused on riparian forest ecology was held in Wilkes-Barre Riverfront Parks. The course was developed through a major collaborative effort between Penn State Cooperative Extension, Department of Conservation and Natural Resources, Penn State School of Forest Resources, King's College Education Department, the Wilkes-Barre Riverfront Parks Committee, and the Luzerne Intermediate Unit. Teachers learned many things including how to run water quality tests; how to key indicators of a healthy aquatic system; how to identify native trees using keys; and how to use a soil survey and examine soil profiles.

Outreach and Environmental Equity

In southeastern Pennsylvania, a \$5,500 grant from the National Tree Trust enabled the

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Extension Urban Forestry Program to develop the format for *Growing Your Future Environmental Career Day* held in partnership with the **Philadelphia** School District for middle-grade inner city students. Matching grants from the Pennsylvania Urban and Community Forestry Council and Bartlett Tree Experts enabled the organization of 24 natural resource and horticultural stations with lesson plans and career path handouts that became part of the *Growing Your Future: An Environmental Career Day Planning Guide*.

Comprehensive Natural Resource Management

In southwestern Pennsylvania, the **Indiana** Tree Awareness Committee (ITAC) continues to be active. Members have been personally contacting all boroughs in the county to assess their interest in starting or improving community tree programs. ITAC also sponsored a pruning and planting workshop for Indiana County municipalities and school districts. Also the **Pittsburgh** Shade Tree

Association has made recommendations to the city council for increased staffing of the city's forestry division and a tree inventory for the city. An effort is also being made to provide funding for the completion of the four regional and 44 neighborhood parks in the city. The Extension Urban Forestry Program has been contacted to assist in the writing of new management plans for these city parks including finding new ways to include citizens in park planning, management, and maintenance.

A project titled *Land Use Planning and Open Space Conservation in the Spring Creek Watershed* is using interviews and mail surveys to investigate whether the 14 watershed municipalities have the ability to use land-use planning and land-use regulation to conserve open space under growth and development pressure. Also the ability of local governments to use broader resource planning/management techniques, such as ecosystem management, at a watershed level is being investigated.



Grafting techniques being demonstrated at *Growing Your Future Environmental Career Day*.

Rhode Island

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To restore and maintain a green infrastructure, the Rhode Island Urban and Community Forestry Program is promoting and distributing the Rhode Island Urban and Community Forest Plan. The state maintains strong partnerships with community tree groups, Rhode Island Tree Council, and communities by promoting tree planting, tree inventories, urban forestry workshops, and field tours.

Program Highlights

Number of Communities	40
Communities Assisted	40
Tree City USA or Equivalent	6
Federal Support	\$225,000
State and Local Matching	\$275,580

Partnerships

Realizing the importance of private funding mechanisms to affect the long range management of Rhode Island's urban forests, an effort to raise \$140,000 is underway. In partnership with the nationally recognized Rhode Island Foundation, a fund has been established to endow in perpetuity the Tree Steward Education Program, thereby releasing federal funds for other projects. Over five years, the Tree Steward Program has produced 166 effective advocates for tree programs, ordinances, and funding in every community.

The nonprofit RI Tree Council continues to be a strong partner of the RI Urban Forestry Program. Public awareness of urban forestry was enhanced in the year 2000 by an unusual garden display at the annual Rhode Island Spring Flower and Garden Show held in February in the capital city of **Providence**. Designed by a Tree Council Board Member, the display illustrated the inspiration of trees through the centuries. Hundreds of volunteer hours produced a vision of trees which was enjoyed by tens of thousands of people.

Awareness

To help homeowners, developers, builders and town officials prevent construction damage, an informational package, *Saving Trees During Construction*, was provided to all communities. This information can be given to everyone applying for a building permit prior to construction.

Tree stewards and fifth graders worked together during the annual Arbor Day Poster Contest. All children and teachers who entered the contest were given free seedlings and were offered the opportunity to invite a Tree Steward to provide a hands-on learning session in their class. Tree Stewards provided technical instruction by talking about trees and demonstrating the correct way to plant seedlings. The students extended their knowledge of trees well beyond that gained through the Poster Contest. Combining Tree Stewards with the established Arbor Day Poster Contest program provided entry into the schools for enhanced education about urban trees.

Outreach and Environmental Equity

The Rhode Island Department of Environmental Management, in partnership

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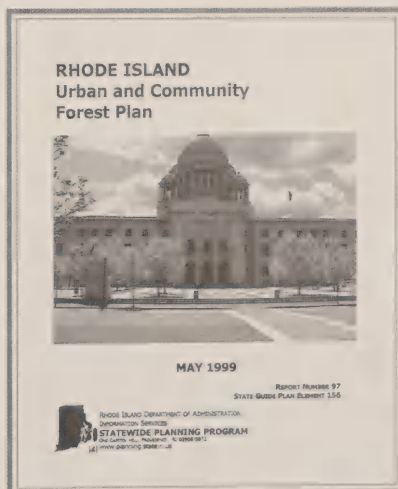
with the White House Millennium Green initiative, the USDA Forest Service, and American Forests, offered a seedling from a stock of historic trees to each community in the state. The Division of Forest Environment sent a certificate redeemable for a seedling of its choice to every city and town, along with the Narragansett Indian Tribal Nation. The remaining 60 trees were placed in a transplant bed for future offerings to communities and for historic and unique celebrations.

A group of over 100 volunteers met at Ryan Park, in **North Kingstown**, to work on reclaiming an old gravel bank, which is now town property. They planted more than 3,400 seedlings. The program was a huge success through the partnership of American Forest (Global Releaf Program), the town of **North Kingstown**, and the Division of Forest Environment. Expectations of this day were exceeded, and future plans are to continue to rehabilitate other sections of town property.

As part of its Annual Conference and together with Salve Regina University and its renowned Senator Claiborne Pell Center, the RI Tree Council presented a lecture by Urban Designer Paul Murrain on using trees for traffic calming. He described a project planned for city streets in Providence using an innovative design that placed trees strategically along busy streets, thereby lowering speed, noise, and making the areas pleasant, pedestrian safe, and visually pleasing.

Comprehensive Natural Resource Management

Developed by the Rhode Island Statewide Planning Program, in cooperation with the Division of Forest Environment and the Rhode Island Tree Council, the Rhode Island Urban and Community Forest Plan establishes a vision, goal, and policies focused on the management of tree resources within the built environment. When applied in conjunction with the State Forest Resources Management Plan, this guidance advances the effectiveness of local stewardship of the state's tree resources toward the twin goals of a healthy, sustainable economy and environment. Under state law, as an element of the State Guide Plan, the goals and policies of the Urban and Community Forest Plan must be reflected in future local comprehensive plans.



As part of the Rhode Island State Guide Plan, the goals and policies set forth in this document must be incorporated in local comprehensive plans.

Vermont

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The Urban and Community Forestry (UCF) program mission is to "promote the stewardship of urban and rural forest landscapes to enhance the quality of life in Vermont communities." This mission recognizes the benefits of integrating forest stewardship and community sustainability across the forest continuum.

During the past year, the state UCF program provided assistance to 148 communities through technical workshops, volunteer leadership training, on-site consultations, and competitive cost-share grants. Successful inroads were made in addressing the needs of Town Tree Wardens, revising the UCF website, and issues relating to sustainable landscape designs in large-scale developments.

Program Highlights

Number of Communities	284
Communities Assisted	148
Tree City USA or Equivalent	2
Federal Support	\$225,000
State and Local Matching	\$303,000

Partnerships

Trees 2000 was a multi-functional promotional campaign, sponsored in cooperation with the Vermont Association of Professional Horticulturists (VAPH). Developed to commemorate the millennium

through trees, a number of programs and events were held. The Vermont Flower Show had as its theme, *Celebrating the Green*, with an entire educational program centered on community forestry and urban green space. Trees 2000 certificates, signed by the governor, were distributed by participating nurseries for new tree purchases. Continuing a seven-year tradition, VAPH and the UCF program offered a technical workshop, this year featuring Dr. Nina Bassuk. A one-time grant option allowed over 50 communities to purchase and plant a millennium tree.

Awareness

Vermont Arbor Day 2000 found 180 students at the State Capitol celebrating the benefits of trees. Over 9,000 children throughout the state participated in Arbor Day programs. Seedlings donated by International Paper, savings bonds provided by the Green Mountain Division of the Society of American Foresters, and a curriculum guide, *Trees and Your Community Forest*, underwritten by Central Vermont Public Service Corporation, were distributed. National Arbor Day Poster contest state and regional winners and their classes, were invited to a tree planting ceremony on a beautiful spring day at the



Lt. Governor Douglas Racine participates in Vermont Arbor Day 2000 ceremony at the State Capitol.

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State Capitol, attended by Lieutenant Governor Douglas Racine.

Following up on the ice storm recovery publication, *Roadside Vegetation Management Manual for Rural Road Crews*, six workshops co-sponsored with Vermont Local Roads Program were held for public works and road municipal employees on hazard tree identification and pruning practices.

Outreach and Environmental Equity

Stewardship of the Urban Landscape (SOUL) provides community leadership skills behind a backdrop of urban and community forestry. During the past year, two sessions were offered in the state's most populous cities, **Rutland and Burlington**. Participants learn much more than the basics of a local community forestry program; they learn how to become effective leaders to facilitate program implementation. Projects ranged from organizing Branch Out **Burlington's** annual tree walk, to developing a hazardous tree program for the historic Brownington Stone House, to assisting in the inaugural statewide Tree Wardens Meeting. More than 100 SOUL graduates provide much needed volunteer activism in urban and community forestry around the state.

Urban and Community Forestry grants were awarded to 54 communities, one-quarter being first time recipients. Funded projects included covering speaker fees at a technical workshop; hiring consultants to conduct street tree inventories; and developing management plans, hazard mitigation pruning, and tree planting projects at over 20 sites.

Comprehensive Natural Resource Management

Vermont is not immune to the effects of development and sprawl. Commercial

development impacts urban forest resources and results in additional burdens upon municipal services. Working cooperatively with the Vermont Agency of Transportation and the State Environmental Board, the program is developing tools to assist local and regional planning commissions in reviewing projects with an eye toward sustainability. Several workshops were held for state and local officials, and a handbook on landscape guidelines nears completion. A revision of the State Urban and Community Forestry Action Plan will reflect the importance of community planning.

To address forest fragmentation, the Chittenden County Regional Planning Commission received a UCF program grant to map significant urban and rural forest resources. Information from this project will be available to individual communities to assist local volunteer municipal planning commissions in land use decisions. The Vermont Backyard Forest Stewardship Program continues to assist urban and suburban homeowners.



Designing sustainable landscapes requires planning and proper site preparation, planting, and maintenance.

West Virginia

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The mission of the West Virginia Urban and Community Forestry Program is to provide leadership and promote long-term tree care programs in communities throughout the state. The program continued to make community leaders and citizens aware of the importance of the urban forest ecosystem.

Program Highlights

Number of Communities	234
Communities Assisted	44
Tree City USA or Equivalent	16
Federal Support	\$225,000
State and Local Matching	\$163,305

Partnerships

Twenty-one Demonstration City Grants were awarded with \$60,790 in federal support. These funds leveraged an additional \$102,894 from local partners. Benefits included: 627 trees planted, 85 hazard trees removed, mature tree care provided to 107 trees, volunteer activity, and training for local tree boards.

The first year of the Municipal Tree Restoration Program (MTRP) was a tremendous success. Program partners include the Division of Forestry, West Virginia University (WVU), American Electric Power, and Allegheny Power. The communities of **Huntington, Buckhannon, Bridgeport, Moorefield, and Richwood** participated this year and will share approximately \$20,000 for

planting small trees under utility lines this fall or next spring. Community leaders were visited by the MTRP team to discuss the benefits of community trees while promoting planting "the right tree in the right place." This cooperative program will greatly supplement the state's urban forestry program by providing funds directly to communities from the private sector. In addition, a graduate student from WVU inventoried approximately 450 trees in these communities to establish base-line information which will lead to educational brochures targeting homeowners and communities.

Awareness

The Urban and Community Forestry Council continued to promote long-term tree care programs through grants, newsletters, training, and outreach to various action groups. The Council also developed and has begun to implement the Urban and Community Forestry Strategic Plan for 2000-2004. Additional outreach efforts involved promoting the Arbor Day poster contest; identifying training needs and opportunities; and sponsoring the Trees, People, and the Law Conference. The Council is currently planning an open meeting and tour in **Morgantown** to be attended by tree boards from across the state.

Workshops and training opportunities continued to be essential components of technical assistance. The National Arbor Day Foundation conducted a Trees, People, and the Law Conference in West Virginia last March. Over 100 people representing tree boards, electric utilities and the tree-care industry attended this conference. Hazard trees continue to be a major concern for West Virginia communities. A Hazard Tree Seminar was given for 52 West Virginia park superintendents at their annual meeting. Ten tree care workshops and demonstrations were conducted for community tree care providers.

ACCOMPLISHMENTS

Various hands-on pruning, planting, and hazard tree evaluation demonstrations were featured.

Outreach and Environmental Equity

Seven communities, schools, and volunteer groups participated in the National Tree Trust Community Tree Planting Program. Over 580 trees were planted by 43 volunteers on public property. These volunteers donated approximately 519 hours to their respective projects, which leveraged \$1,550 in local funds. The Division of Forestry contributed staff time and \$400 to the program. This cooperative program targets small communities and volunteer groups to foster additional tree care programs.

Comprehensive Natural Resource Management

The City of **Parkersburg** (pop. 33,862) continues to serve as a model urban forestry program with their tree memorial program, utility partnerships, and very active tree commission. A Demonstration City Grant was utilized to perform a street tree inventory, develop a management plan, and obtain software to manage inventory data. The **Parkersburg** Tree Commission and Allegheny Power cooperated to broadcast 150 public service announcements on local radio promoting "the right tree in the right place" and proper pruning. **Parkersburg** organized a River Cities Earth Day Celebration. The event involved tree plantings in **Parkersburg**, **Williamstown**, and **Vienna** as well as **Belpre** and **Marietta** in Ohio.

The City of **Ravenswood** (pop. 4,189) benefited from community volunteers organizing to revitalize a community playground and establish a future tree board. The Division of Forestry provided outreach,

training, and grant funds for the purchase and planting of 27 trees for the playground project. Volunteer tree planters received assistance with species selection and hands-on training from Division of Forestry staff.

The Town of **Wardensville** (pop. 200) has a new and active tree board. Within the last year, this group has formed, passed a tree-care ordinance, and completed various volunteer projects with assistance from urban forestry personnel. The tree board involved Boy Scouts, Girl Scouts, and 4-H clubs to plant 60 trees from the National Tree Trust. Demonstration City Grants supplemented these efforts by providing 12 additional large trees to their project. Over 40 youth volunteers were active in these plantings. Wardensville will be the newest Tree City USA in West Virginia.



Bob Hannah, Division of Forestry, assists elementary school children as they plant a tree in Southwood Park in recognition of Arbor Day 2000.

Wisconsin

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The Wisconsin urban forest resource assessment shows the overall canopy cover of the state's communities ranges from 14 percent to 55 percent, averaging 29 percent. Most communities are well below the 40 percent national standard. There is strong pressure to develop the 59 percent of the area in cities and villages still free of development. The 1999 survey of Wisconsin communities revealed that there is a 50 percent greater demand for Department of Natural Resources (DNR) urban forestry assistance than can be met by current resources.

Program Highlights

Number of Communities	687
Communities Assisted	191
Tree City USA or Equivalent	128*
Federal Support	\$233,700
State and Local Matching	\$1,493,762

*Third in the nation.

Partnerships

Through a partnership with DNR urban forestry staff, the Forest Industry Safety and Training Alliance (FISTA) produced *Carpal Tunnel and Other Upper Extremities*, a video dealing with repetitive strain injuries that occur in the arms, back, wrist, and hands of arborists. It shows by demonstration how

to modify and diversify work activities and retrofit tools to minimize the chances of injury. FISTA also produced a 62-page *Arborist Chain Saw Safety Training Guide* which is used in many urban forestry safety training sessions.

The Wisconsin Urban Forestry Council partnered with the **Madison** Area Builders Association (MABA) to develop *Urban Forestry Rest Stops* at MABA's Home Products Show. These exhibit booths, designed and landscaped by council members complete with benches, tables, chairs, and educational displays, provided focused messages on urban forestry and home construction to over 16,000 attendees.

Gypsy Moth has recently reached outbreak levels for the first time in eastern Wisconsin. Residents of the city of **Appleton** (population 65,695), alarmed by a tremendous egg mass population in a high-use community park, initiated a volunteer service day with the city and Asplundh Tree Expert Company to treat the infestation. The program was a huge success. A large



Asplundh Tree Expert Company employees volunteered their time on a Saturday to assist the city of Appleton and local residents with Gypsy Moth egg mass treatment.

ACCOMPLISHMENTS

number of egg masses were sprayed with environmentally friendly soybean oil, saving the city many hours of work. Employees from the city and Asplundh built professional relationships that will last a long time, and residents not only learned about a significant new pest, but also that it can be rewarding to become involved in the community.

Awareness

Forty-two grants totaling \$516,000 funded a wide variety of community and non-profit projects affecting more than one million people. Projects ranged from inventories and management plans to training and awareness workshops and tree planting.

Public awareness and professional improvement were enhanced through a state-wide quarterly newsletter with a circulation of over 5,000, an annual conference with an attendance of 575, fifteen regional urban forestry workshops on Successful Tree Establishment that attracted 515 participants, the Wisconsin Champion Tree program, and an actively managed website.

Outreach and Environmental Equity

Wisconsin held its first Tree City USA recognition banquet sponsored by the Wisconsin Urban Forestry Council and the DNR. Over 350 mayors, council members, community staff and volunteers representing 93 communities attended the celebration at the Frank Lloyd Wright Monona Terrace Civic Center in Madison. A variety of speakers inspired the group. Pictures of each community delegation were taken with DNR and National Arbor Day Foundation representatives and sent with a press release to each mayor.

Comprehensive Natural Resource Management

The level of urban forest management improved over the year. Twelve new communities started urban forestry activities this year and two new communities achieved a sustained program.

Urban forestry inventories were the subject of a two-day intensive workshop offered to urban forestry coordinators in the Midwest states. Representatives from three states and the USDA Forest Service attended the session developed by Wisconsin DNR and the University of Wisconsin-Stevens Point. Classroom, field, and computer lab sessions improved the coordinators' ability to assist communities and resulted in a new "decision tree" tool to help direct selection of the best inventory method for a community.

The DNR brought together representatives from the nursery and landscape industry, communities, and academia to develop a new set of tree planting guidelines. The document presents a science-based process to customize specifications for an individual community's location and situation.



The Frank Lloyd Wright designed Monona Terrace was the stylish site of the first Tree City USA recognition banquet attracting over 350 community representatives.

Focused Federal Assistance

Demonstration projects developed in collaboration with state agencies.

State: Indiana

Title: Indiana State Forests for L.I.F.E. (Launching Interactive Forest Experiences)

Amount Funded: \$17,950

Indiana State Forests offer an alternative means to "publish" research results, transfer technology and teach the general public. These outdoor laboratories offer the public, forest landowners, foresters, educators, political leaders, and the media a vivid demonstration of differing land management and silvicultural practices. Sharing the messages through "State Forests for L.I.F.E." will help introduce the concept of sustainable forest management to both children and adults who visit Indiana's state forests.

State: New Jersey

Title: Community Stewardship Action Partnership

Amount Funded: \$44,400

The Community Stewardship Action Partnership involved urban high school students in local natural resource stewardship projects to enhance the quality of environmental education to the under-served residents of the state. The Partnership increased the use of environmental education in the curricula of urban schools to assist educators in meeting the State Core Curriculum Content Standards, which are based upon the National Standards for Education.

State: Wisconsin

Title: Home Builder Urban Forestry Public Awareness Program

Amount Funded: \$35,000

This project created an affiliation between the Wisconsin Builders Association (WBA), Wisconsin Urban Forestry Council, Wisconsin Department of Natural Resources, and the USDA Forest Service. The focus is on developing a public service campaign and educating the home buying public and the residential building industry about the importance of urban forestry.

ACCOMPLISHMENTS

States: Pennsylvania, Illinois, New Jersey, Ohio, and West Virginia

Title: Compatible Tree Fact Sheets

Amount Funded: \$36,000

Compatible Tree Fact Sheets was published in 1995 as a single printing of 3,000 copies. It contained fact sheets for 38 species and cultivars that are compatible for planting under utility lines and a table of tree characteristics with symbols that aid in selecting trees suited to site conditions. The project updates the fact sheets to include 16 new fact sheets on new cultivars as well as many pictures. The printing will be for another 3,000 copies and be made available to a wide audience.

States: Connecticut, Massachusetts, and Rhode Island

Title: Fostering Forest Conservation in Southern New England Communities

Amount Funded: \$90,000

The project meets the emerging interest of community leaders who are seeking advice regarding their community's open space resources. Many communities are turning to the Southern New England Forest Consortium Inc. (SNEFCI) for information and assistance. SNEFCI will work with the communities and coordinate the exchange of information between states and communities and ensure the future of the region's forests and open spaces.

St. Paul Field Office

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The St. Paul Field Office (SPFO) covers the states of Minnesota, Wisconsin, Michigan, Illinois, Indiana, Missouri, and Iowa. The office provides assistance to state urban forestry coordinators, councils, and volunteer contacts to enhance and support program delivery in urban and community forestry. Field office staff members facilitate the sharing of information and ideas, and provide technical assistance among agencies and organizations in the region. Accomplishments for 2000 include the following:

Urban Forestry Working Group — The working group has served as a forum to share and discuss information about urban forestry, explore regional issues across program areas, and create opportunities to work together on collaborative, multi-disciplinary projects. The group includes staff members from the urban forestry, forest health protection, stewardship, conservation education, and wood utilization program areas within the SPFO, and functions as a catalyst to improve awareness of urban forestry activities and foster creative and integrated approaches to program delivery. An example of its synergistic effect is the initiation of the "Backyard Woods" project campaign. The effort involves many members of the working group (and other public and private partners) and targets landowners and homeowners with up to ten acres of land.

Backyard Woods Campaign — The campaign will inspire landowners with 1-10 acres to create and maintain healthy trees and wooded habitat through a national public information campaign. The campaign has the potential to influence six million landowners. It will do this via how-to tip sheets, a full-color booklet on 12 forestry practices, and a state-of-the-art website. Application of these practices can offset some of the impacts caused by forest parcelization and fragmentation. The campaign also educates landowners on public and private forestland management by relating what they are doing in their backyards with similar practices on forestland. The national campaign will be linked to similar regional and state initiatives and enable landowners to obtain information and assistance targeted to local conditions. To date, the campaign has a 14-member steering committee, technical advisors nationwide, and drafts for all 12 tip sheets.

Asian Longhorned Beetle (ALB) Awareness — ALB is a serious threat to the urban forest, and eradication of the known infestations in Chicago is progressing. Early detection of any unknown ALB infestations is key to successful eradication. The focus of the St. Paul Field Office in 2000 has been outreach to urban foresters, arborists, tree care industry professionals and utility companies to increase awareness of ALB and how to identify and report suspect beetles.

ACCOMPLISHMENTS

In support of the ALB survey program, a tree climbing training session for 30 smoke jumpers was held at the Morton Arboretum in Chicago on October 16-18. The training was conducted by ArborMaster Training, a professional training team with international experience. Training included basic and advanced climbing techniques, demonstrations of new equipment, and hazard identification and safety, especially when climbing near powerlines.

Community Future Forum — Together with the USDA Forest Service Southern Region, the National Urban and Community Forestry Advisory Council and other partners, SPFO staff works to identify and build partnerships and have dialogue about future urban forestry issues and opportunities. The project uses virtual conferencing, facilitated discussions, and thought-provoking commentaries to generate and collect ideas.

Utilization and Marketing — The second national Wood Waste Utilization Conference, sponsored by the National Arbor Day Foundation, was held May 4-5, 2000. The focus of the conference was to promote better utilization of woody materials that are either typically land-filled or under-utilized. SPFO staff assisted with the program development of the overall conference, reviewed technical presentation abstracts, and served as a workshop moderator. Also, numerous case studies of successful urban tree utilization projects from throughout the United States were compiled and will be published in a guidebook in 2001.

Conservation Education/Recognizing Our Partners — The Tree Trust, located in St. Louis Park, Minnesota, received the "Conservation Education Outstanding Achievement Award" of the year for their School Environment Program. This award recognizes the Tree Trust for their long standing commitment to teaching urban and minority youth about the importance of trees, forestry, and natural resources stewardship. Over the past year, the Tree Trust reached 6,000 students, 300 teachers, and 20 school administrators through the program. In cooperation with 275 community and parent volunteers, 1,150 trees and shrubs and hundreds of wildflowers and grasses were planted. In 1992, the Tree Trust started this program with a \$10,000 grant from the USDA Forest Service Northeastern Area. Since then, the program has grown into a \$1.5 million program with wide corporate and institutional support.

St. Paul Field Office Website — The SPFO website includes information on the Asian Longhorned Beetle, the Community Future Forum, urban forestry technical materials, and links to many urban forestry resources. Over 57,000 visitors come to our website each month for information about forestry and trees. The website can be visited at <http://www.na.fs.fed.us/spfo>.

Urban Forest Health Publications — *Asian Longhorned Beetle vs. Cottonwood Borer*. 2000. NA-PR-04-00. USDA Forest Service, Northeastern Area State & Private Forestry, St. Paul, MN.

How to Identify, Prevent, and Control Oak Wilt. 2000. NA-PR-03-00. USDA Forest Service, Northeastern Area State & Private Forestry, St. Paul, MN.

Morgantown Field Office

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The Morgantown Field Office covers the states of Maryland, Delaware, New Jersey, Pennsylvania, Ohio, West Virginia, and the District of Columbia. Among other activities, the office provides assistance to the state urban forestry coordinators to enhance and support program delivery in urban and community forestry. Field office staff members facilitate the sharing of information and ideas and provide technical assistance among agencies and organizations in the region. Accomplishments for 2000 include the following:

Maryland Roadside Tree Evaluation — A cooperative effort between the Morgantown Field Office, Maryland Departments of Agriculture and Natural Resources-Forest Service, and West Virginia University, this project applied forest health monitoring protocols to the roadside trees in Maryland. The Maryland Roadside Tree Law places trees in all public road rights-of-way in the State of Maryland under the jurisdiction of the Maryland Department of Natural Resources-Forest Service. This study provided a methodology for assessing the condition of roadside trees by combining GIS tools, rights-of-way definitions, and components of the national forest health-monitoring program. The assessment of roadside trees was carried out in six of Maryland's most urbanized jurisdictions. Results indicated that 14 percent of Maryland's roadsides are tree-lined and that the trees are in good health based on crown and damage indicators collected. These results were presented at the International Society of Arboriculture meeting during the summer of 2000.

Newsletter — Providing increased communication between the office and its partners, three issues of the newsletter *Urban Projects from the Morgantown Field Office* were distributed. The newsletter includes field office staff activities, current events and news from each of the Mid-Atlantic States, the District of Columbia, and special initiatives in the sub-region (Revitalizing Baltimore, NE Pennsylvania Forestry Project, Kiski Basin and Environs, and the Upper Muskingum Watershed project.)

Media Outreach Efforts — Efforts were undertaken in 2000 to increase the visibility in the media of various Forest Service State and Private Forestry programs. Presentations were given across the country providing tips and hints to urban forestry professionals working with the media, as well as reasons for enlisting media outreach as a tool for increasing awareness and public understanding of federal-state partnership programs. Groups and conferences hosting these presentations included the Barlett Tree Experts, the Nebraska Annual Urban Forestry Conference, International Society of Arboriculture (Ohio Chapter), the Illinois Tree City USA Conference, and the Northeast Pennsylvania Community Tree Stewards Short Course. In addition, articles about communications and media relations were written for related UCF groups including the Community Futures Forum, Iowa's state urban forestry newsletter, the West Virginia state urban forestry newsletter, and the Society of American Foresters' Communications Committee.

ACCOMPLISHMENTS

Bacterial Leaf Scorch in New Jersey — Bacterial Leaf Scorch (BLS) is widespread in New Jersey and has been observed from New York to Florida. BLS is considered a threat to red, pin, and scarlet oaks and other urban trees such as sycamore and elm. During the fall of 2000, in cooperation with the New Jersey Forest Service and Moorestown Department of Public Works, Morgantown Field Office Forest Health Protection personnel conducted an aerial photography mission to evaluate the feasibility of using aerial photography or aerial survey techniques to survey for bacterial leaf scorch. Symptomatic trees were photographed from two different altitudes using true color digital and color infrared digital cameras. Preliminary results indicate that trees displaying few symptomatic areas are not easily detected while heavily infected trees are easily observed. Plans are underway to optimize survey techniques for BLS next year.

Dutch Elm Disease — The Morgantown Field Office provided financial and technical assistance for the management and suppression of Dutch Elm Disease (DED) in Washington, DC during 2000. Since 1998, DED management in the District of Columbia has been a cooperative effort between the USDA Forest Service, the District of Columbia Tree and Landscape Division, and the National Park Service. Management strategies included extensive street surveys for elm conditions, prompt removal of dead or dying elms, and pruning of infected limbs. During 2000, fungicide stem injections were also used as a treatment. The survey results showed only 3percent of the District's elms to be dead or untreatable due to DED. Efforts will continue in Washington, DC to monitor the health conditions of elms and determine the effect of recent management efforts.

Gypsy Moth in Mid-Atlantic Region — Morgantown Field Office staff entomologists and forest health specialists assisted Ohio, Maryland, Pennsylvania, New Jersey, and West Virginia to aurally treat over 160, 000 acres in 725 communities during their cooperative gypsy moth suppression projects in 2000.

Hazard Tree Management Program — Forest Health staff assisted with seven hazard tree education sessions during 2000. Staff lectured to various groups in the Mid-Atlantic region including students at the Williamson Free College in Philadelphia, employees of the Muskingum Watershed Conservancy District, the annual Bartlett Tree Experts winter seminar, and the Maryland Departments of Agriculture and Natural Resources.

Marketing and Utilization — The goal of this project is to provide municipalities with marketing and technical assistance to recycle street trees and generate income through the production and merchandizing of sawlogs. Information about this initiative was presented in various locations in Ohio during 2000. A 52-page guide-book, *Recycling Municipal Trees: A Guide to Marketing Sawlogs from Street Removals in Municipalities* was distributed to attendees.

Cuyahoga American Heritage River — The USDA Forest Service selected and filled a River Navigator position to serve as a liaison between Federal agencies and local communities in meeting local watershed needs. On January 27, 2000, a memorandum of understanding was signed with the five Cuyahoga American Heritage River Partners identifying the roles and actions of the navigator and signers. All parties pledged to work together to implement actions to support river restoration; historic, cultural, and resource protection; and community and economic revitalization. Completed projects include removal of three small dams in Akron, removal of an abandoned railroad trestle in Kent, and participation in and completion of the Kent Dam Study involving a proposal for the bypassing of a major dam on the Cuyahoga River in Kent.

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The Durham Field Office covers the states of Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, and Vermont. Among other activities, the office provides assistance to the states to enhance and support program delivery in urban and community forestry. Field office staff members facilitate the sharing of information and ideas and provide technical assistance among agencies and organizations in the region. Accomplishments for 2000 include the following:

State Assistance — The field office has worked to improve communications with and between the states. Conference calls are held periodically with program coordinators, volunteer coordinators, and council chairs to share information. The field office is represented regularly at state council meetings. A web board was established this year to enhance correspondence. The staff specialist has also provided technical assistance to states, such as reviewing state grants in New York, assisting with strategic planning in Massachusetts, and program reviews in Connecticut, Maine, and New York.

Inner City Assistance — The staff specialist is on the executive committee for the Boston Urban Resources Partnership and regularly attends meetings to provide assistance to nonprofit groups working to improve the quality of life in the city.

National Association of Conservation Districts Liaison — The staff urban forestry specialist has worked as an appointed liaison in the NA region to improve communication and cooperation with the NACD. Several conferences took place during the year and joint efforts are underway for the coming year.

Arboretum — The field office developed a long-term landscape plan for the Durham field office property and conducted a fall planting project in the first phase of implementing this plan. The planting was dedicated to the memory of Sharon Ossenbruggen, the previous urban forester at the Durham office who passed away in 1998.

Urban Sprawl/Fragmentation Workshop — Field office staff established a fragmentation/sprawl working group, and organized a three-day workshop for state forestry staff to share information and develop a strategy to address this threat to the forests near urban population centers. Participants heard from regional speakers and shared experiences from their own states.

Asian Longhorned Beetle Project in New York City — Reforestation efforts funded by the USDA Forest Service have continued in the area to help replace trees lost to the beetle. Staff are also working with local organizations and agencies to increase public awareness about the beetle, including a conference held in the spring of 2000 hosted by New York ReLeaf, and "Beetle Buster" training programs sponsored by New York ReLeaf.

ACCOMPLISHMENTS

Eco Heroes — Staff from the USDA Forest Service and the Massachusetts Department of Environmental Management have planned the Eco Heroes Program to strengthen the connection between Boston urban youth and the urban forest. This program is modeled after the award-winning program, centered in Los Angeles, CA. Youth from Lowell, MA will participate in restoration and education activities that give them a better understanding of urban, state, and national forests.

Hazard Tree Train-the-Trainer Workshops — Forest Health staff participated in six training sessions in New York and Massachusetts. The sessions were attended by approximately 150 resources managers, tree wardens, Department of Transportation employees, and community leaders. Practitioners learned how to identify and address hazard tree problems.



The Durham staff plant trees and shrubs at the field office. The project was done in memory of Sharon K. Ossenbruggen and is the first phase in creating an arboretum on the property.

Mid-Atlantic Center of Excellence

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The Mid-Atlantic Center for Urban and Community Forestry, located at the **Morris Arboretum of the University of Pennsylvania in Philadelphia**, supports urban forestry advocacy and conducts education, research, and demonstration programs serving local, state and regional needs. As of January 2, 2001, the Center will be located at Keystone College near Scranton, PA. Accomplishments for 2000 include the following:



Youth participate in tree care training.

Northeastern Pennsylvania Community Forestry Program — The Center directed this project in cooperation with the Pennsylvania Bureau of Forestry and the USDA Forest Service, Northeastern Area State and Private Forestry. In its sixth year, this award winning grant program continues to effectively integrate natural resource management with regional economic and social revitalization. Over 700 partners organizations have participated.

Philadelphia Urban Resources Partnership — Center staff served as chairperson for PURP, and the Center provided financial, technical, and educational resources to Philadelphia communities involved in natural resource management and education. The Green Lands initiative addresses vacant land in under-served residential communities.

State Urban and Community Forestry Councils — Assistance was provided in Delaware, New Jersey, and Pennsylvania by working with the state urban forestry coordinators to implement their program goals and plans. Center staff developed and implemented a grant tracking database designed to support and enhance program reporting in Delaware and Pennsylvania.

Arboricultural Training — Seminars and workshops were presented in five states reaching 620 professional tree managers. Staff delivered professional lectures to the Pen-Del and Mid-Atlantic Chapters of the International Society of Arboriculture. Staff completed tree and natural resource assessments in four states and National Park Service properties. The Center represented the American Society of Consulting Arborists on the American National Standard Institute's expert panel to develop the woody plant maintenance standards of practice (ANSI A-300).

Education and Training — Ecosystem-based Management training was provided to state and local audiences; 80 courses related to land management, riparian restoration, horticulture, design and plant care were attended by 1,650 people representing five states in the Mid-Atlantic region. Urban conservation classes were offered to 6,983 urban students. Over 320 practitioners, from twelve states and the District of Columbia participated in the two-day event: *Mid-Atlantic Invasive Exotic Plants Conference: Management Strategies*.

Midwest Center of Excellence

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The Midwest Center for Urban and Community Forestry is a regional Center of Excellence that supports the technology transfer component of the Federal Urban and Community Forestry Program. The Midwest Center is a cooperative partnership between the states of Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri and Wisconsin; the University of Minnesota; and the USDA Forest Service. It has a primary area of focus and staff expertise in urban forest health. The Center contributes to healthy sustainable communities and ecosystems by identifying and responding to urban and community forestry information needs, coordinating and supporting new and existing research, and facilitating the exchange of information.

Listed below are Center funded grants completed in FY 2000, technology transfer products selected for updating and wider distribution, and highlights of a special project. Accomplishments for 2000 include the following:

Technology Transfer — Provided technical and financial assistance in the development of two technology transfer publications — *The Forest Where Ashley Lives*, a wonderful children's book, and *Tree Pests of the Midwest*, a 2'x3' poster. These products were distributed to state and regional partners for broad dispersal to nonprofit groups and educational institutions.

The following are currently being updated for distribution this winter.

- ✦ *Stop Tree Topping* products, first developed in Missouri
- ✦ *Urban Tree and Shrub*, slide and CD set, developed at the Chicago Botanical Garden
- ✦ *Urban Forestry Community Outreach Manual*, developed by the Tree Trust in Minnesota

Urban Tree Risk Management Working Group — Coordinated this multi-agency working group which is developing a comprehensive training manual for community leaders and administrators, parks and public works staff, and tree care practitioners. The manual will assist municipalities in the design, adoption and implementation of community tree risk management programs. It will present scientifically-based information in a practical, user-friendly format that is tailored to the unique features of urban forests. The manual is slated for completion in the fall of 2001.

Northeast Center of Excellence

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<http://www.umass.edu/urbantree>



The Northeast Center for Urban and Community Forestry is a cooperative partnership of the Northeastern Area State and Private Forestry, the six New England States and New York, and the University of Massachusetts/Amherst. The Mission of the Center is to respond to urban and community forestry information needs, facilitate and support new and existing research, and coordinate the exchange of information among the states that contributes to healthy, sustainable communities. The principal field of focus has been urban forestry assessment tools, management, and technology. Accomplishments for 2000 include the following:

Storm Damage Assessment Model — Developed a model, *Storm Damage Assessment Protocol for the Northeast*, which established a mechanism for the timely and accurate estimation of damage costs related to storm damage to trees growing in urban areas. A series of training workshops outlining the assessment protocol were conducted in New England and New York. These workshops included classroom instruction and field exercises.

Publication Production — Developed a *Tree Emergency Manual for Public Officials* and an accompanying *Resource Compendium* that is designed to be a practical and concise guide to managing disastrous tree damage in urban and community forests. Its focus is on urban forests where questions of safety and cost are critical, and its target audience is public tree managers.

Asian Longhorned Beetle — Developed training resource modules for management of the Asian Longhorned Beetle, which provide an introduction to the beetle, its life cycle, physical characteristics and eradication protocols. Included in the training modules, which are intended as self-study or delivery in classroom settings, is a series of exercises, resource materials, decision tables, and review quizzes.

Conducted a series of Asian Longhorned Beetle instructional workshops in conjunction with the distribution of "Beetle Buster Toolboxes" in New York City and Long Island. These 'train-the-trainer' workshops outlined the use of the instructional materials contained in the toolboxes, including preserved samples of adult beetles, larvae, and infested wood. The workshops were held in cooperation with New York ReLeaf and a series of local partners.

Hazard Tree Workshops — Conducted Hazard Tree Assessment Workshops in New York and Massachusetts for state natural resource personnel, municipal foresters, and state transportation agency staff. These workshops provided training materials, lectures, and field demonstrations illustrating principles of hazard tree identification, management response, and prevention.

ACCOMPLISHMENTS

Greater Boston URP

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The Greater Boston Urban Resources Partnership (GB-URP) is a coalition of community organizations, agencies, businesses, and federal, state, and local governments whose mission is to help urban communities carry out strategies that link social, economic, and environmental concerns. In 2000, more than 39 partners worked together on economically sustainable projects and initiatives that enhanced the quality of life and fostered diverse community involvement through innovative collaborations. Accomplishments for 2000 include the following:

Grants — Through financial support from the USDA Forest Service and Natural Resource Conservation Service, GB-URP funded thirteen grant projects totaling \$287,520 to support community based environmental projects throughout greater Boston. The Environmental Protection Agency – New England also provided \$38,500 to support some of these projects.

Chelsea Creek — GB-URP is working with community partners, federal agencies, local business, academia, and state and local government to conduct a unique community based comparative risk assessment, gathering data on the environment and public health issues. An executive committee has been formed and meets monthly. Local groups are conducting surveys with residents to gather community ideas on the greatest environment, public health, and social concerns.

Environmental Database — GB-URP is working in partnership with the Worcester Polytechnic Institute and community partners to create a first of its kind interactive database of environment and public health projects funded through the partnership in the Greater Boston area. The database will have detailed information on projects. It will also generate maps, charts, and detailed graphical information to help ensure that funded projects are meeting the most critical community needs.

Historic Roxbury Orchard Project — This comprehensive planting and maintenance effort will create a historic orchard featuring over 27 antique varieties of fruit trees. It adds an environmental dimension to the other educational programs at the historic Shirley-Eustis House. Boston Mayor Thomas M. Menino announced this year's GB-URP grant awards at the site.

Piecemeal to Cohesion — Collaboration for Environmental Change is now part of the partnerships work plan. The purpose is to conduct and sponsor meetings to discuss support of community based environmental projects throughout greater Boston. Piecemeal to Cohesion is an opportunity for potential funders to learn about issues, and for community groups to share ideas.

Massachusetts Audubon Society/Boston Nature Center — The GB-URP provided assistance in acquiring wetland, permitting for a wildlife trail at this site.

Buffalo URP

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The Urban Resources Partnership (URP) of Buffalo is a team of federal, state and local agencies and organizations formed to enhance the Region's environment and quality of life through innovative public and private partnerships. This is accomplished by supporting community action and sustainable projects that preserve, restore, and revitalize the natural resources of Buffalo. Natural resources technical support and USDA Forest Service and Natural Resources Conservation Service grant dollars are matched to Community Partnerships through a request for project proposals. Accomplishments for 2000 include:

Natural Resources Ombudsman — The URP of Buffalo is active in the role of natural resources ombudsman. Community contact through URP projects and referrals enable the URP to act as a clearinghouse on natural resource topics and related community issues. This role has proven important in fostering community leadership, neighborhood development, and environmental stewardship. The theme of "natural resources" has provided a common thread to unite expanded and diverse community partnerships.

Grant Facilitation — The URP of Buffalo assisted the USDA Forest Service and Natural Resources Conservation Service in the call for urban, community-based natural resources projects. There were 20 active grants from the 1998 and 1999 funding cycles preparing for project closings or extensions. An additional 20 grants were awarded in 2000, bringing the total awards to \$831,752. The anticipated community in-kind contributions are expected to bring the value of all of the projects to \$1.7 million.

City of Buffalo Street Tree Inventory (FS, in progress) — This project is designed to provide the City with its first complete street and park tree, GIS-compatible inventory. The community participated in an educational kick-off event and will be included in regional meetings to assist with tree stewardship. The partnership includes nonprofit, city government, private industry, and citizen support. The results will be rolled into a future tree master plan.



Instruction in bare-root tree planting — a method ideal for community tree planting.

ACCOMPLISHMENTS

Chicago URP

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The Chicago Urban Resources Partnership (URP) engages in wide ranging programs with a strong emphasis on restoration and physical improvements to green spaces. In FY 2000 the Chicago URP sponsored 19 additional community-based environmental projects. Accomplishments for 2000 include the following:

Irons Oaks Conservation Education and Action — This project was designed to integrate watershed and restoration education units to local schools. Students and teachers will be involved with the introduction to and demonstration of habitat restoration and streambank stabilization projects. There will also be the removal of exotic species to help preserve and restore the biodiversity of the area.

National Audubon Society (Neighboring Stewards for Bird Habitat) — This project encourages residents to improve and maintain urban habitat for migratory birds and other wildlife. Experimental plantings to enhance bird habitat, including the introduction of prairie grasses, will occur on land adjacent to Lake Michigan.

Chicago Department of Environment (DOE) (Indian Ridge Marsh) — The Chicago DOE is developing an accessible network of nature centers throughout the city. The Indian Ridge Marsh in Calumet will be used to test and monitor pyhtoremediation, grading, non-native plant removal, and native plant installation.

The Blair Early Childhood Project — There is a lack of opportunities for children with severe and profound physical disabilities to interact with the natural environment in meaningful and beneficial ways. This project will enhance open space at the school by developing a sensory garden. Horticultural Therapy activities will be introduced to wheelchair bound children along with the construction and maintenance of an accessible open space at the school.

The Chicago Botanic Garden — This project involved about 13,800 participants and enrolled 21 Chicago public schools. The project aided in the reduction of soil erosion and enhanced ecosystem restoration on vacant school lots. It also provided the incentive to develop site sensitive curriculum for classroom use.

The Chicago High School for Agricultural Sciences Nature Trail — The Chicago High School completed the development of a nature trail on a large area directly behind the school. The trail border consists of diverse native plant species and intersects with naturalistic environments including a wetland, savanna, and proposed glacial prairie as well as several agricultural demonstrations areas.

St. Joseph's Creek Restoration — Restoration was completed reintroducing native vegetation to the creek banks utilizing bioengineering techniques. Invasive woody species were removed, and interpretive signage will be added later for educational programming at this site.

Raceway Woods — The URP restoration portion of this 92-acre site was completed. The area contains diverse ecological stands of white walnuts, wetland areas, hillside steeps, and streams.

South Chicago Clean and Green Project — The project was completed with more than 180 shrubs and trees planted and maintained by staff and community members.

East St. Louis URP

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The East St. Louis Urban Resources Partnership (URP) advocates and assists community-based action through local partnerships to enhance, restore, and sustain urban ecosystems in the East St. Louis Metropolitan Area. These actions contribute to the improvement of the social, economic, and physical health of the residents and the natural environment. East St. Louis URP natural resources goals are:

- ♣ managing urban ecosystems to protect, restore, enhance, create, and sustain floodplains, wetlands, forests, and green lands,
- ♣ creating job opportunities and sustainable economic development related to natural resource opportunities,
- ♣ providing information and technical assistance for urban community planning and environmental restoration efforts, and
- ♣ improving urban ecosystem information and citizens' understanding of the urban environment, and the relationships between their actions and their natural surroundings.



An urban forestry planting activity in East St. Louis.

Accomplishments for 2000 include the following:

Lincoln Park Revitalization Project – With grant assistance from the USDA Forest Service, the South End New Development Organization restored the health of existing trees in Lincoln Park and planted new trees to improve the overall appearance and safety of this important public space.

Project Green Thumb – The nonprofit Adventures in Motivation (AIM) was funded to remove dead and dying trees and plant new trees. This project is motivating the residents of the Edgemont neighborhood to build community pride and begin the revitalization of this entire area of the city.

Tree Inventory and Management Plan – With the help of a grant and the Illinois Department of Natural Resources, the East St. Louis Park District has begun to take stock of its trees, their number and condition, and train their staff in tree hazard identification. The management plan will establish policies and procedures to replant and maintain community trees.

Centreville Urban Park Restoration – The City of Centreville completed the restoration of two parks with new trees and shrubs which better linked the properties with adjacent neighborhoods.

New York City URP

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The New York City Urban Resources Partnership (URP) provides technical, financial, and educational assistance to promote environmental stewardship in under-served communities through awareness, involvement, and participation of community groups and residents. Accomplishments for 2000 include:

Bronx River — NYC URP through its Bronx River Working Group, an alliance of over 50 community groups, businesses, and government agencies, has met significant watershed restoration and protection objectives by replanting flood damaged parklands, restoring river channel hydraulics, stabilizing eroding riverbanks with native vegetation, reclaiming wetlands and floodplains, improving habitat, and increasing public access to the river. Many projects and actions are now complete, including replanting of Hunts Point Riverside Park, and a Bronx River ecosystem education program for local youth. Other initiatives are underway, including a mile-long greenway project in the Soundview section of the watershed, composition of a comprehensive watershed management plan, establishment of new restoration sites, and introduction of community stewardship initiatives.

Public outreach projects, such as the Adopt-The-River Program, are generating new interest for local businesses, leveraging millions of dollars in support funds, and developing ecosystem activities critical to restoration efforts and increased public participation and awareness.

Jamaica Bay — Jamaica Bay is a critical and fragile natural area. NYC URP has worked to coordinate restoration efforts through its partnership with Friends of Gateway, the National Open Space Coalition, and five local community groups. The team has worked to address outreach, education and restoration through the Tree Grow-Out program, the creation of a migratory bird-haven, and a water quality monitoring program. The partnership has also organized a high school wetland restoration project, guided several camping/education weekends for local youth, and provided technical training seminars on tree planting, landscape design, and habitat monitoring.

URP Visioning — URP's contributions as an interface, catalyst, and facilitator in NYC under-served communities were repeatedly acknowledged during a visioning workshop attended by community groups, nonprofits, businesses, and government agencies. The goal of the session was to assess URP's accomplishments in NYC and explore ideas for sustaining its principles. URP's work has opened the door for new partnership opportunities in NYC, including the USDA Forest Service/HUD Memorandum Of Understanding (MOU), signed in 2000, to strengthen cooperative work to revitalize and improve livability of urban areas in selected towns, cities, and communities. New initiatives in 2000 include the Open Accessible Space Information System Cooperative (OASIS), a partnership of more than 30 federal, state, and local agencies, private companies, academic institutions, and nonprofit organizations to create a one-stop, interactive mapping and data analysis application via the Internet to enhance the stewardship of open space and urban forests for the benefit of New York City residents.

Philadelphia URP

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This year the Philadelphia URP continued its focus on the Green Land Initiative, a partnership with six community development corporations to restore urban vacant land – 30,900 vacant lots and 22,000 vacant residential structures. The Green Land Initiative helps communities improve air, water, vegetation and soil quality; manage stormwater; and create and enhance wildlife habitat through vacant land management practices. The Green Land Initiative transforms vacant land into community natural resource assets. Six community development corporations have been selected to receive financial and technical assistance. Accomplishments include:

New Kensington Community Development Corporation (NKCDC) — Awarded \$50,000 to NKCDC to advance technical knowledge in land restoration. NKCDC is building capacity to use tools like GIS maps and a tree inventory to plan, maintain, and monitor land improvements.

Frankford Group Ministries — Awarded \$50,000 to Frankford Group Ministries to plan the Frankford Creek Greenway, restore the environmental quality of existing public parks, and create significant new green space in their Targeted Neighborhood Initiative area.

Project HOME — Awarded \$50,000 to Project HOME to develop a highly detailed open space strategic plan for the St. Elizabeth's/Diamond Street neighborhood. The plan will look for opportunities to convert vacant land into new open spaces to complement major development projects like Rowan Homes and the Family Learning Center.

Village of Arts and Humanities — Awarded \$50,000 to the Village of Arts and Humanities to plan and implement a community driven process for improving and maintaining vacant land in an 18-block area of north central Philadelphia. The Village will test the use of urban meadow landscapes for blighted sites too large to be maintained by volunteers.

United Communities of Southeastern Philadelphia — Awarded \$50,000 to United Communities of southeastern Philadelphia to create the Emily Mercy Greening Project. This new open space will serve three purposes: a tree-farm to supply trees to re-green the neighborhood, an educational garden where children can learn about the environment, and a much needed public park.

Women's Community Revitalization Project (WCRP) — Awarded \$50,000 to the WCRP to develop a five-year natural resource plan and implement a series of small scale green infrastructure projects to complement and strengthen WCRP affordable housing development projects.



Blighted urban vacant land to be transformed into green space.

ACCOMPLISHMENTS

National Urban and Community Forestry Advisory Council Grants

The National Urban and Community Forestry Advisory Council (NUCFAC) is the official advisory body to the Secretary of the United States Department of Agriculture. The Northeastern Area administers NUCFAC Challenge Cost-Share Grants located in the 20 states and the District of Columbia.

NUCFAC Challenge Grants Awarded for Projects in 2000:

The nonprofit **Community Resources, Inc.** was awarded \$85,000 to use community-based urban forestry to create new jobs for lower-income urban residents. The study will develop a demonstration project in Washington, DC that will have national application.

The **University of Wisconsin** was awarded \$23,214 to study the impact of urban forests on elderly people in long-term settings: a multi-cultural perspective. The study will examine the influence of interaction with urban forests, particularly nature-related activities, on health outcomes of two elderly institutionalized groups – Spanish-speaking Hispanic immigrants, and English-speaking non-Hispanic whites.

The nonprofit, **The Gaia Institute, Inc.** was awarded \$67,050 to examine retaining water in forested parks to clean the waters of Jamaica Bay in east New York. By incorporating forested areas with urban stormwater treatment systems, this project seeks to link these problems with a holistic solution, providing green spaces and wildlife habitat through the creation of wetland gardens and soil buffers.

The **University of Illinois** was awarded \$145,604 to study the healing power of the urban forest: impacts on Attention Deficit Hyperactivity Disorder (ADHD). The study will conduct a nationwide study documenting the ways in which green neighborhoods, green schools, and green parks and recreation areas help heal ADHD children; disseminate the findings to policymakers, the public, and other audiences; and leverage the findings for future support from the Department of Education, the Department of Health and Human Services, and the National Institute of Mental Health.

The **Davey Resources Group** was awarded \$23,780 to study and report on the catastrophic loss of tree canopy and the effect of trees on energy use. The objective of this project is to document changes in heating and cooling energy use after the loss of a significant percentage of a community's tree cover due to a catastrophic event, such as an ice storm.

The **University of Illinois** was awarded \$125,330 to examine reducing urban crime: a multi-city assessment of the benefits of urban forests. The purpose of the project is to examine whether urban forests reduce property crime, violent crime, and total crimes in urban neighborhoods; to disseminate the results to policy-makers, foresters, scientists, and the public; and to build new partnerships in support of urban forestry.

The Kiski Basin

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The Kiski Basin Initiative is a special project located in Southwestern Pennsylvania administered by the Conemaugh Valley Conservancy, in cooperation with Penn State University, the Pennsylvania Urban and Community Forestry Council, the Pennsylvania Department of Conservation and Natural Resources (DCNR) – Bureau of Forestry, and various local partners within the Kiski-Conemaugh River Basin and the overlying 12th Congressional District in Southwestern Pennsylvania (6 counties). Historically, the economy of the Kiski-Conemaugh River Basin revolved around heavy industry. The initiative is addressing several issues including preservation and establishment of eco-tourism services and facilities, riparian corridor preservation and revegetation, invasive exotic species assessment and control, dry fire hydrant installation, wildland-urban interface, forest fire suppression and training, urban tree plantings and maintenance, environmental education, public awareness, sprawl, and forest fragmentation. Accomplishments in 2000 include the following:

Urban and Community Forestry — Sixteen community grants have been approved. Seven municipalities, five school districts, two parks, one college, and a watershed group are the recipients. The grant projects include tree plantings, tree maintenance, community improvement, environmental education, urban forestry planning, and a basin-wide stream assessment program.

Watershed Geographic Information System (GIS) — In partnership with the Western Pennsylvania Coalition for Abandoned Mine Reclamation, a comprehensive GIS assessment of coal spoil piles (gob piles) for the Kiski-Conemaugh River Basin is being developed to locate gob piles and rank each, based on environmental and aesthetic factors, for potential removal and use by coal generation power plants. The long-term goal is reforestation of areas in the Kiski Basin where degraded lands now exist.

Stream Team Environmental Education Program — This basin-wide education and ecological assessment program is conducted in partnership with AmeriCorp's National Service Program to facilitate local schools and volunteer groups in assessing their local ecosystems through water sampling and riparian corridor surveying. In October 2000, the Stream Team received the Governor's Award for Environmental Excellence in the Education and Outreach Category.

Rural Development through Forestry Program — Four grants have been approved for 2000. Two community parks, one municipality, and one school district are the recipients.

Cooperative Fire Management Program — Thirteen grants have been approved. The recipients are twelve Volunteer Fire Departments and one Girl Scout camp. The majority of these grants are for firefighting equipment used in forest or brush fires and several are for dry-hydrants. In addition, firefighting training workshops (PA 130 Certification) will be conducted throughout the year in partnership with the PA Department of Conservation and Natural Resources – Bureau of Forestry.

Upper Muskingum Watershed Initiative

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The Upper Muskingum Watershed Initiative is a special project encompassing several counties in northeastern Ohio, and administered by the Ohio Department of Natural Resources Division of Forestry. The ODNR Division of Forestry, along with the Muskingum Watershed Conservancy District, Crossroads RC&D, community officials, and several local volunteer organizations, have identified the critical role that natural and cultural resources play in creating and sustaining a viable economic future for this region. Local, state, and federal partners have recognized several concerns for the area, including volunteer fire departments, community forestry, water quality, forest health, and economic development.

A strong opportunity exists to demonstrate how forestry efforts can address these public concerns. To assist with the regional revitalization, a five-year cooperative project with the Ohio Division of Forestry is being implemented. Accomplishments for 2000 include the following:

Urban Forestry Component — In cooperation with the California University of Pennsylvania, *Entomophaga maimaiga* fungus study plots for gypsy moth suppression were placed and monitored within the watershed. An Asian Longhorned Beetle survey was conducted at a high-risk facility within the watershed to determine the insect's presence and to refine survey techniques. A tree planting grant was initiated for watershed communities to increase their canopy cover, and an urban forestry awareness campaign is being developed to convey how properly managed trees can enhance the quality of urban life.

Cooperative Fire Protection — As a preliminary step in the development of a long-term recruitment process, the Division of Forestry, in partnership with the State Fire Marshall's Office established a 1-800 Fire-Line within the target area. This will connect those individuals who want to volunteer to fight fire with local volunteer fire departments. Additionally, a private vendor is reviewing the Insurance Services Organizations ratings for rural fire departments within the watershed.

Economic Action Program — An advisory group, consisting of the Crossroads RC&D, Ohio and Erie Canal Association, and National Park Service, has convened to discuss program responsibilities and timetables. The goal is to develop and disseminate information to the general public on how forests and forestry activities impacted the canal system within the region.



An urban forestry awareness video in the making.

Revitalizing Baltimore

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Restoring Our Environment, Restoring Our Communities



Morgan State University biology class completing a riparian planting.

Revitalizing Baltimore (RB) is a regional partnership project funded by the USDA Forest Service and managed by the Parks and People Foundation in cooperation with the Maryland State Forester. This national model for community forestry and watershed restoration equips people to care for natural resources and revitalize their own neighborhoods. The project partners include the Maryland Department of Natural Resources Forest Service, Baltimore City, Baltimore County, several nonprofit organizations, three watershed associations, businesses, and academic institutions. RB actively reaches out to culturally diverse communities to help residents plant trees along streets and streams, monitor water quality, convert vacant lots into community green space, improve neighborhood parks, and support youth education programs to foster stewardship of natural resources. Accomplishments for 2000 include:

Grants — Funded twelve grants ranging from \$3,000 to \$50,000.

Planting — Supported Community Forestry activities among RB partners through community organizing, technical assistance, volunteer training, and logistical support resulting in planting over 600 street trees and 3,000 riparian trees and shrubs in four urban watersheds as part of 100 projects involving more than 4,000 volunteers.

Watersheds — Collaborated with watershed associations and other community umbrella organizations to strengthen forestry efforts in four regional watersheds — Gwynns Falls, Jones Falls, Herring Run, and Direct Harbor. These community groups organized street, riparian, and park forestry projects; established a city sewage task force; identified restoration priorities through community workshops; involved over 10,000 people in special festivals; conducted educational outreach and training; and supported community participation in decision making.

Education — Promoted environmental stewardship through natural resource education training for teachers, and Irvine's Natural Connections program reached over 1,200 youth in various environmental education programs. KidsGrow and EnviroKids (sponsored by the City Recreation and Parks Department) engaged 200 elementary and middle school students in neighborhood environmental stewardship activities in after-school programs and summer day camps.

Technology Transfer — Provided resource information through community workshops using the Gwynns Falls Watershed Ecological Resource Atlas. Further developed the Gwynns Falls Urban Forest Management Plan by identifying potential areas for targeting large afforestation projects. Participated in a major Jones Falls valley ecological restoration and community revitalization planning effort. Finalized the RB case study and presented the project's experience at several national conferences. Strengthened research links to the Baltimore Ecosystem Study.

Chesapeake Bay Program

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The Chesapeake Bay Program (CBP) is a federal, state, and local partnership managing restoration efforts in the watershed since 1983. The USDA Forest Service Northeastern Area has provided leadership for Forest Service involvement in the CBP since 1990. The Forest Service coordinates cooperative forestry activities with Bay States and the District of Columbia and builds partnerships focused on the role of trees and forests in future restoration of the Bay. Accomplishments for 2000 include the following:

Addressing Sprawl and Forest Fragmentation — A Geographic Information Systems (GIS) analysis was completed helping to define and characterize the extent and location of fragmentation for the basin, states within the basin, and for sub-watersheds in the region. An analysis of the policies, laws and institutions affecting forest fragmentation was completed in partnership with the Environmental Law Institute titled *Forests for the Bay*. The report assesses current programs and laws and offers policies, program, and legislative recommendations to better conserve forests. And, the Bay signatories (Maryland, Pennsylvania, Virginia, United States Environmental Protection Agency, Chesapeake Bay Commission) signed the Chesapeake 2000 Agreement which includes commitments to reduce the rate of sprawl 30 percent by 2010, protect contiguous forests, and to preserve 20 percent of the landscape by 2010.

Chesapeake ReLeaf — The Chesapeake Bay Program teamed up with American Forests to restore, protect, and promote stewardship of forests in the Chesapeake watershed. A small grants program was established to provide financial support to local groups, associations, and agencies to complete projects that utilize trees and forests as solutions to improve or protect watershed health in the Chesapeake watershed.

Local Government Technical Assistance — The Chesapeake Bay Program provided technical assistance in the development of a *Local Government's Guide to Stream Corridor Protection*. The guide is being drafted and will provide a soup-to-nuts directory of strategies and methods for protecting stream corridors. The comprehensive guide will include techniques for assessing the communities stream resources and layout planning protection tools, model ordinances, and funding strategies for implementation.

Potomac River Restoration Partnership — This large-scale watershed restoration project is a targeted effort within the Chesapeake Bay Program. The Virginia Department of Forestry, Maryland Department of Natural Resources Forest Service, Ducks Unlimited, USDA Forest Service Washington and Jefferson National Forest, Northeastern Research Station and the Northeastern Area State and Private Forestry have joined forces to implement a comprehensive collaborative effort to examine restoration work from the headwaters to the shores of the Bay.

Conservation Education Program

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The USDA Forest Service Conservation Education program connects the American people with the environment. Through lifelong learning opportunities, conservation education provides the knowledge and skills people need to participate effectively in the critical task of sustaining our Nation's natural resources. The Conservation Education program goals are to increase awareness, knowledge, and appreciation of natural resources; to promote critical thinking skills that enable people to recognize the complexity of resource issues so that they can make choices within social, political, scientific, and economic realities; and to nurture responsibility to conserve, preserve, and wisely use our natural resources. Accomplishments for 2000 are as follows:

TREES Project (Teaching Responsible Environmental Efficacy for Students) — This project was one of four projects funded in the USDA Forest Service Northeastern Area through the Million for the Millennium conservation education competitive grant program. The goal of this project is to establish awareness and understanding of inter-relationships in natural systems and between people and the land through an urban land management/horticulture course resulting in natural resource career choices by under-represented minority and economically disadvantaged youth. The urban land management/horticulture course is being developed for implementation during the 2001-2002 school year.

Maryland Forest Service, Teacher Training — The Maryland Forest Service hosted six week long, school site based, teacher training workshops focusing on incorporating environmental education materials into the state performance assessment program. Curriculum training included Project Learning Tree, Project Wild, Project WET (Water Education for Teachers), and a Maryland based Riparian Forest Buffer Model Curriculum. For the first time Anacostia teachers attended this free workshop.

Project Learning Tree: urban environmental issues high school module — The Project Learning Tree staff in partnership with the USDA Forest Service, the Urban Land Institute, and many others are developing a new high school module called *Exploring Environmental Issues in the Places We Live*. This module will examine the relationship between people, community, and environment that defines our neighborhoods. Topic headings include: developing a sense of place, inventorying your community, making choices, looking beyond the local community, and taking action. This module will also include a web-based component linking the user to both local and national resources that can aid in using the materials.

Woodsy Owl — Woodsy Owl brought his message of *Lend a Hand, Care for the Land* to many urban children in FY 2000. Both Woodsy Owl and Smokey Bear participated at a signing of a MOU agreement indicating the Forest Service's support for continuing Stewardship Day's for Chicago youth. Also participating in the MOU signing were the Chicago Park District, National Park Service, Fish and Wildlife Service, and the Department of Natural Resources.

ACCOMPLISHMENTS

GreenStreets

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The Chicago GreenStreets Program focuses on improving the quality of urban living through tree planting and care, recycling, and open space revitalization. The eleven-year-old initiative restores deteriorated neighborhoods and enhances public open space through public/private partnerships and community involvement. Mayor Daley's GreenStreets Program has been involved in efforts to reforest Chicago neighborhoods devastated by the Asian Longhorned Beetle.

Tree Planting — More than 5,150 landscape size trees were planted throughout Chicago this year. GreenStreets continues to plant trees along the Chicago River as part of the Chicago River Development Plan. Nearly 300 trees were replanted in the Asian Longhorned Beetle Quarantine Zone. At Chicago's annual Arbor Day event, 90 trees were planted throughout the park, on public school property located adjacent to the park, and on surrounding arterial streets. Over 300 trees were planted on the streets surrounding Midway Airport in an ongoing effort to beautify the communities surrounding the airport.

Expressway Tree Planting Initiative — GreenStreets has planted approximately 1,400 trees along Chicago's expressways and 600 trees along the frontage roads in an effort to create a buffer between the expressway and the homes and businesses along the frontage roads. This will not only add to Chicago's Urban Forest, but will also help reduce the effect of the heat island phenomenon, reduce car pollution, and add to the beauty of the city.

Restoring the Historic Stony Island Median — GreenStreets participated in the landscape improvements within the existing median along Stony Island Avenue between East 95th Street and East 69th Street. The median serves as a gateway into the City off the Chicago Skyway. With the help of USDA Forest Service funding, GreenStreets was able to plant 500 trees in the median. Other work to restore the median was also completed.

Setting Standards with Chicago's New Police Headquarters — This landscaping project started in 1999 when GreenStreets planted 184 trees. This spring, GreenStreets completed the project by planting 26 trees, 1,100 shrubs, and nearly 30,000 flowering plants. The new Police Headquarters will serve as a landscaping example for other municipal buildings and for the community.

Salt Mitigation Strategies Plant Study — GreenStreets continues to partner with the Morton Arboretum and the USDA Forest Service to study the effects of salt mitigation strategies on plant material throughout the City. The goal of these studies is to determine if the strategies currently employed by the City to reduce salt spray and exposure are beneficial to the various plant materials in different situations. The City hopes to learn if it is possible to reduce or eliminate some of the treatments now that the plant material has become established. The City also hopes to learn which materials perform best in these types of planting situations.

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Chicago Wilderness is the name for both the 200,000 acres of unique natural areas extending from northwestern Indiana through northeastern Illinois and southeastern Wisconsin and the coalition of 114 conservation organizations that have joined together to restore, protect and manage these lands. The Chicago Wilderness area provides habitat for 181 species listed as threatened or endangered in the state of Illinois and contains some of the best surviving examples of tall grass prairie and oak woodlands in the country. Accomplishments for 2000 are as follows:

Urban Forestry Projects — Funded, monitored, and collaborated on over 150 projects (23 in 2000) across Illinois and Indiana. Projects underway include: relocating and mapping selected occurrences of 123 threatened and endangered plant species in Cook County in order to create landmark maps, document Geophysical Positioning System (GPS) coordinates and assess their status; providing technical assistance to local government officials through educational sessions; and expanding the Mighty Acorns education program to northwest Indiana.

Chicago Wilderness Smith Family Fellow — Inaugurated the Chicago Wilderness Smith Family Fellow whose primary responsibility is the implementation of programs and projects that enhance the conservation objectives of the recently completed Chicago Wilderness Biodiversity Recovery Plan. The fellow is funded, in part, by a grant from the Hermon Dunlap and Ellen T. Smith Fund of the Chicago Community Trust.

Mighty Acorns Nature Camp — Developed the first Mighty Acorns Nature Camp providing 70 under-served children with a weeklong hands-on learning experience with nature. The Mighty Acorns education program serves more than 250 classrooms and over 7,000 students, providing them with the opportunity to learn about nature and participate in stewardship.

National Public Lands Day — Organized more than 600 volunteers for 21 volunteer recruitment events throughout the region as part of Chicago Wilderness' celebration of National Public Lands Day. Volunteers assisted on stewardship projects such as seed collecting and brush cutting.

Chicago Wilderness Magazine — Published *Chicago Wilderness Magazine*, a quarterly magazine that is distributed among 50 retail locations across the Chicago region and has over 8,500 paid subscribers. Thanks to grants from the Grand Victoria Foundation and the Gaylord and Dorothy Donnelley Foundation, 5,800 copies of the magazine were sent to Girl Scout leaders, parents, and doctor offices in the region in an effort to broaden its audience.

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This and other congressional initiatives funded in Fiscal Year 2000 are intended to target resources in specific districts to improve the quality of urban life and the environment.

The Urban Forestry Program of DePaul University is focusing its efforts on studying natural areas in the Chicago Metropolitan area and promoting their restoration, maintenance, and protection. The Urban Forestry Program in partnership with USDA Forest Service, Chicago Botanic Gardens, the Lake Forest Open Lands Association, and other conservation organizations is working to develop an understanding of urban natural areas and the science underlying their restoration and management. Accomplishments for 2000 are as follows:

Study of the Urban Ecosystem — Several research projects are underway to study the structure and functioning of Chicago's urban ecosystems:

- ✦ Studies were conducted to compare the nutrient value and the decomposition rates of leaves from the invasive species *Rhamnus cathartica* (European buckthorn) with leaves from abundant native tree species. The buckthorn leaves had about twice the nitrogen content of the native species; were colonized by invertebrates—a major component of regional biodiversity more quickly; and decomposed more than twice as fast as leaves from native trees. This indicates that a significant presence of buckthorn can greatly alter the nutrient economy in a forest soil.
- ✦ In cooperation with the Lake Forest Open Lands Association, progress was made in developing a nutrient budget for a prairie remnant, and in quantifying the effects of restoration activities on the budget and on secondary productivity.
- ✦ In conjunction with the USDA Forest Service Northeastern Area, progress was made on determining the history of riparian forests at Midewin National Tallgrass Prairie, their importance to wildlife, and their future at this site.
- ✦ New projects were planned or initiated to study soil microarthropods from a forest/savanna restoration project to measure the changes in biodiversity after restoration of degraded areas; and to examine the growth of different tree species.

Urban Ecology and Forestry Courses — Several courses on science and policy are currently being offered and several new ones are planned. Besides giving a good theoretical and scientific background, the science courses have field or laboratory components for practical experience. For instance, in the Issues in Urban Forestry course, an extensive inventory of forested sites along an urban-suburban transect is underway. Data on species composition, age, and tree-growth are being collected and interpreted in this multi-year project.

Northeast Pennsylvania Urban Forestry Program

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The Northeast Pennsylvania Urban Forestry Program is directed by the Morris Arboretum of the University of Pennsylvania in collaboration with the PA Department of Conservation and Natural Resources - Bureau of Forestry; and the USDA Forest Service, Northeastern Area. Since 1995, the program has provided grants to communities and nonprofit groups that successfully integrate social and economic development with natural resource protection through partnership building, stewardship and environmental awareness. Funding 116 projects throughout this nine-county post-industrial region has had positive effects on the environment, economic vitality, and quality of life.

A major accomplishment of the program has been the use of diverse and nontraditional partners to implement urban forestry projects. Between 1995 and 2000, with support from United States Representative Don Sherwood, 1,400 partners joined to complete 79 demonstration projects. Projects have focused on planting, restoration, and stewardship activities. Sites included strip mine areas, parks, highways, trails, river corridors, downtown districts, schools, and tourist attractions. Fiscal Year 2000 funding supported 32 grants due for completion in October 2001. Accomplishments for 2000 are as follows:

Outreach — Improved the ecological health of the region by planting of native vegetation, educating citizens about the impacts of invasive exotic species, and promoting stewardship activities in three watershed areas that encompass over 1,000 square miles. Recognized over 1,300 volunteers for their Urban and Community forestry contributions.

Arboretums — Promoted tourism and economic vitality in the region by building an arboretum in Lazybrook Acres Park, Tunkhannock and improving vista's along the Steamtown Excursion Line.

Awards — Brought national recognition to urban forestry by winning the "Winners of Winners" National Award for Sustainability sponsored by Renew America and the President's Council on Sustainable Development, Earth Day 2000.

Education — Supported the Northeast Pennsylvania Community Tree Association by providing funding for three workshops attended by 246 natural resource professionals, citizens, and municipal representatives.

Grants — Supported the PA Urban and Community Forestry Council by providing funding for 12 tree planting grants. Provided Tree Liability grants that assessed 1,664 urban trees, removed 566 hazardous trees, pruned 192 dangerous trees, and planted 489 street trees in 10 communities.

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FY 2000 URBAN FORESTRY PROGRAM

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FY 2000 URBAN FORESTRY PROGRAM

Budget Summary

Federal financial assistance presented by program component for Fiscal Years 1996 to 2000.

State Grants	<i>Dollars in thousands</i>				
	1996	1997	1998	1999	2000
Connecticut	229.7	213.2	208.3	204.1	225.0
Delaware	174.7	170.5	168.3	166.6	187.0
District of Columbia ¹	218.0	218.5	344.2	234.0	232.0
Illinois	438.8	397.5	364.9	329.3	332.5
Indiana	299.3	275.2	261.3	253.3	255.8
Iowa ¹	251.2	225.7	232.4	261.4	225.0
Maine ¹	230.5	212.8	205.9	200.9	225.0
Maryland	320.5	265.7	260.6	244.5	253.9
Massachusetts	288.9	256.0	267.7	243.6	246.1
Michigan	362.5	316.5	311.2	285.1	287.9
Minnesota	268.3	258.2	235.1	223.6	225.9
Missouri	299.5	263.9	259.2	241.5	243.9
New Hampshire ¹	196.5	208.7	196.5	181.3	225.0
New Jersey	328.7	314.1	289.9	272.4	282.2
New York ¹	593.9	544.1	478.9	461.8	454.3
Ohio ¹	418.5	375.2	348.7	344.6	342.9
Pennsylvania ¹	629.5	569.4	656.5	494.2	477.9
Rhode Island ¹	170.7	204.3	163.1	201.0	225.0
Vermont ¹	185.7	190.3	179.3	176.7	225.0
West Virginia	242.5	229.1	220.6	214.4	225.0
Wisconsin	285.8	280.4	239.3	231.4	233.7
SUBTOTAL	6,433.7	5,989.3	5,891.9	5,465.7	5,631.0
Direct Financial and Technical Assistance²					
Focus Funding	0.0	0.0	0.0	165.0	250.8
Technical Assistance	938.8	869.6	1064.2	1157.9	1291.5
1998 Ice Storm	0.0	0.0	3999.4	8589.0	0.0
Centers of Excellence	250.0	250.0	250.0	250.0	180.0
SUBTOTAL	1,188.8	1,119.6	5,313.6	10,161.9	1,722.3
Urban Resource Partnerships					
Boston, MA	0.0	200.0	150.0	150.0	150.0
Buffalo, NY	0.0	50.0	150.0	150.0	150.0
Chicago, IL	250.0	250.0	150.0	100.0	150.0
East St. Louis, IL	250.0	250.0	150.0	150.0	150.0
New York City, NY	671.5	400.0	300.0	100.0	150.0
Philadelphia, PA	250.0	250.0	150.0	150.0	150.0
SUBTOTAL	1,421.5	1,400.0	1,050.0	800.0	900.0
Special Projects and Congressional Initiatives					
National UCF Council Grants	454.7	616.7	434.9	623.1	470.0
Kiski Basin Initiative, PA	0.0	0.0	0.0	164.0	150.0
Upper Muskingum Watershed, OH	0.0	0.0	0.0	0.0	150.0
Revitalizing Baltimore, MD	390.0	300.0	300.0	300.0	300.0
Regional/National Initiatives ³	215.0	225.0	275.0	79.0	194.4
Chicago GreenStreets	700.0	350.0	350.0	700.0	250.0
Chicago Wilderness	700.0	700.0	700.0	350.0	700.0
DePaul University, IL	0.0	350.0	350.0	350.0	100.0
Northeast Pennsylvania Project, PA	0.0	1127.0	1250.0	1500.0	250.0
SUBTOTAL	2,459.7	3,668.7	3,659.9	4,066.1	2,564.4
TOTAL	11,503.7	12,177.6	15,915.4	20,493.7	10,817.7

Notes: ¹ Includes supplemental support in prior years - funds provided to third-party recipients with State approval.

² Includes costs associated with Area and Field Office staff, travel, supplies, training.

³ Includes Conservation Education, EPA National Standards Project, Chesapeake Bay Program, etc.

Notes

For more information about Northeastern Area, State and Private Forestry programs and initiatives, visit our website at:

<http://www.na.fs.fed.us>

A National Information Center has recently been established at the St. Paul Field office to make information about State and Private Forestry programs available via the internet. The site can be visited at:

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